

Industrial visit report
J.D.M.V.P'S ACS College, Jalgaon.
Department of Botany



Industrial visit J.D.M.V.P'S ACS College, Jalgaon. Dept. Botany, Sula Vineyards, Nashik, March 22th, 2023.by the teaching staff and the students.

In this Excursion report/ Industrial visit report J.D.M.V.P'S ACS College, Jalgaon. Dept. Botany & Microbiology visited Sula Vineyards, Nashik, March 20th to 21st, 2023. It was an industrial visit where they learnt about the process of wine making and participated in an incredible wine tasting experience. we will learn about the processing, wine making procedure use in wine yards which is located in Nashik in Maharashtra. we will also learn about the grape's varieties used in production of wine, we will also learn about the fermentation process and storage of wine which are followed in Fratelli. This report will give the clear ideas about the wine production process and measure taken by the factory wine makers of Fratelli, the report will assist in gaining some knowledge and prosperity of learning.

- **TOPIC:** Virtual Industrial Tour
- **DATE:** March 20th, 2023.
- **TIME:** 12:17 pm – 3:00 pm
- **BENEFICIARIES:** B.sc (I, II, III year) to M.sc Botany student
- **TOTAL STUDENTS:** 23
- **FACULTY MEMBERS:** 03
- **INDUSTRY NAME:** Sula Vineyards (or "Sula")
- **VENUE:** J.D.M.V. P'S ACS College, Jalgaon
- **OBJECTIVE OF THE SESSION:** To provide an exposure to students about Grape Vineyards and Wine Industries and to gain awareness about industrial practices.

OUTCOMES:

1. To understand the concept of production of Grapes in Vineyards
2. To familiarize students with a huge part of beverage industry that is National and International wineries
3. To make them visualize & learn about the very elegant and fine art of wine making including the parameters like quality, safety, transportation etc.
4. To make them understand about the emerging possibilities in the area of entrepreneurship

Department of Botany conducted a Virtual Industrial Tour to familiarize students with a huge part of beverage industry that is Wineries. It included two segments; Nation's largest wine makers like Sula. This tour covered the areas of Entrepreneurship, Sustainability & Technology in the field of Vineyards and Wine making. The tour was equipped with full of facts, information and technical data with real time visualization of Grape Vineyards and Wine Industries. They learned the technical concept of wine sensory by looking, nosing, swirling & tasting the wine. Students learned and enjoyed a lot.



J.D.M.V.P'S ACS College, Jalgaon. Dept. Botany, Students learned and enjoyed a lot.

Department of Botany/ Microbiology
J.D.M.V.P'S ACS College, Jalgaon.
Date: 18/03/2023

To,
The Principal,
J.D.M.V.P'S ACS College,
Jalgaon.

Subject: - Request For permission / Grantation of followings. (Excursion)

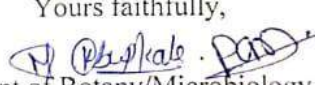
Sir,

The department of Botany and Microbiology is going to organize an excursion tour for the academic year 2022-23 in second semester. The date of proposed excursion tour will be **20th to 21rd March** at Nasik by travels, The charges for the same is Rs.=2800 -/ Student. You are requested to permit the same.

Thanking you.....!

Permitted

18-3-23

Yours faithfully,

Dept.of Botany/Microbiology
All teachers

Nutan Maratha College, Jalgaon
Department of Botany and Microbiology.
 20 & 21 March 2023
Sula wine and Botanical Garden Nashik,

Tour Collection

Sl. No	Name of Students & Address	Roll No.	Class	Mobile	Installment (With Date)	Sign
1	Aachal V. Kadam Jalgaon.	01	MSc-II BOT	8623055640	2,800	<i>Aachal</i>
2	Aaditi Kailas Patil Musali Jalgaon	09	MSc-II BOT	9075769093	2,800	<i>Aaditi</i>
3	Prasad Kailas Sonawane-Jal.	10	MSc-II BOT	8805514554	2,800/-	<i>Prasad</i>
4	Roshani Dilip Patil - Karmad	725	TY- BSc-(M)	9049963963	2,800	<i>Roshi</i>
5	Harsha Madho Pawar - Jalgaon	721	TY (BSc-M)	7841809016	28,00/-	<i>Harsha</i>
6	Ashwini Suryakant Sonawane - Jalgaon		TY (BSc) (M)	7507723985	28,00/-	<i>Ashwini</i>
7	Ajay Samadhan Dhangar - Paldhi.	722	TY BSc (M)	9021655490	28,00/-	<i>Ajay</i>
8	Tejas Amol Manale Jalgaon		TY BSc (M)	8669146450	28,00/-	<i>Tejas</i>
9	Kajal Yuvraj Surwade		SY. BSc. (M)	8551005298	28,00/-	
10	Sakshi Azun Chaudhari		SY. BSc. (M)	9022577857	28,00/-	<i>Sakshi</i>
11	Pranita Manish Waghchavare		SY. BSc. (M)	9322003047	28,00/-	<i>Pranita</i>
12	Pratiksha Rajendra Sinkar		MSc II Botany	9960472013	28,00/-	<i>Pratiksha</i>

Sr. No	Name of Students & Address	Roll No.	Class	Mobile	Installment (With Date)	Sign
13	Danish Khan Arif Khan	03	M.Sc I	9579063315 7387508699	2800/-	D.Khan
14	Amol Harchand Sapkale	05	m.sc I	7066365941	2800/-	Amol
15	Javed Hanif Patel	08	m.sc I	7872786313 8408880313	2800/-	Javed
16	Shivani Patil.		S.Y. BSc.			
17	Arshaad Khan. Firoz Khan Pathan.		BSc. T.Y. M.T.Y.	9529218318	2800	Arshaad
18	Vaibhav Sanjay Dusane.		T.Y. BSc.	9822195295.	2800	Vaibhav
19	Harshada		S.Y. B.Sc.	788-7605078	2800	Harshada
20	Kalpesh Gavende		S.Y. B.Sc.	9588460808	2800	Kalpesh
21	Namrata Koli			9022701833	2800/-	Namrata
22	Nandini		T.Y.	7385663898	2800/-	Nandini
23	Kamini Sapkale.		Staff	9022701833		Kamini
24	Nafisa Tadvi			9673958118		Nafisa
25	Sunil Shirzath			9834313439		Sunil
26	Inshu			9673958118	2800	Inshu

69 - 500 - 34,500
2 - 200 400
42 100 4200
2 50 100

39,200
+ 2,800 42000

50,400 . Total

SULA VINEYARDS LIMITED

Gat 36/2, Govardhan Village, Gangapur-Savargaon Road,
Nashik-422222.

Lic. No. E-2 08

VAT: 27320019269 V

GST: 27A.ABCN7126Q1ZY

CIN: U15549MH2003PLC139352

FSSAI: 11517029000371

J.D. M. V.PsACS, College, Jalgaon

Bill No., WV2316797 [Sula, T1] Date: 20 Mar 2023
12:17

DESCRIPTION	HSN/SAC	QTY	RATE	AMOUNT
Winery visit ...	998599	24	169.49	4,067.80
				4,067.80
			9 % SGST	366.10
			9 % CGST	366.10

Net Pay: 4,800.00

Please Don't Drink & Drive



Industrial Visit

Visit to the Nutrimist Mashrum Farm Aurangabad







Visit to Jalgaon District College Teachers and Non-Teaching credit Society by Department of Commerce 18/10/2022



**Visit to J.D.M.V.P Servent's Credit Society (Nutan Maratha College) by Department of Commerce
05/02/2020**



Visit to the Pandit Jawaharlal Nehru Botanical Garden Nashik



Visit report Botanical Garden
J.D.M.V.P'S ACS College, Jalgaon.
Department of Botany



visit to the Pandit Jawaharlal Nehru Botanical Garden Nashik, March 21st, 2023. by the teaching staff and the students of the Department of Botany, D.M.V.P'S ACS College, Jalgaon.

In this Excursion report visit to the Pandit Jawaharlal Nehru Botanical Garden Nashik, March 21rd, 2023. by the teaching staff and the students of the Department of Botany, D.M.V.P'S ACS College, Jalgaon.

Pandit Jawaharlal Nehru Botanical Garden Nashik,

Botanical Garden Nashik is a beautiful garden situated in Nashik, Maharashtra, India. It is spread over a large area and is known for its collection of diverse plant species. The garden is a popular destination for nature lovers, visitors, and families. In Botanical Garden is known for its collection of diverse plant species. Visitors can see a wide range of plants, including shrubs, trees, and flowers. The garden is also home to a number of exotic plants, which have been brought from different parts of the world.

TOPIC: Botanic Garden Tour

- **DATE:** March 21rd, 2023
- **TIME:** 11:00 am – 4:00 pm
- **BENEFICIARIES:** B.sc (I, II, III year) to M.sc Botany student
- **TOTAL STUDENTS:** 23
- **FACULTY MEMBERS:** 03
- **BOTANIC GARDEN NAME:** Pandit Jawaharlal Nehru Botanical Garden Nashik,

FACULTY MEMBERS :-

- 1) Ms.Nafisa A.Tadvi
- 2) Mr.Sunil R.Shirsath
- 3) Ms.Kamini .Sapkale

Objectives for Conducting the Activity :-

1. To take a photographs & collect various types of plants.
2. To make aware students about plant diversity.
3. To Promote Students about for higher education
4. Provide them an experience of field learning.

Methodology of Execution :-

The Department of Botany organized a visit Botanical Garden in Nashik are rich in bio diversity. 23 students along with 3 teachers visited to the respective place. Nurseries of the places are visited with priority. During the visit various plants are seen & students are noted in the notebook .They are also visited Anjaneri Hill & sula vine , Anjaneri Hill area is well known owing to its great diversity of medicinal and endemic species.

Outcomes of the Activity :-

- They understood the bio diversity .
- Students are made aware about protected cultivation
- Different plants like Medicinal, wild etc. are studied.
- Students are explained the opportunities in Higher Education.



Pandit Jawaharlal Nehru Botanical Garden Nashik teaching staff and the students of the Department of Botany, D.M.V.P'S ACS College, Jalgaon.



The students of the Department of Botany, D.M.V.P'S ACS College, Jalgaon.

Botanical name	Family	Common name
1) <u>Bombax ceiba</u>	Malvaceae	cotton tree
2) <u>Boswellia serrata</u>	Burseraceae	कसोद Kasid
3) <u>Cassia siamea</u>	Caesalpinaceae	वास, वेवु
4) <u>Dendrocalamus strictus</u>	Poaceae	बकुल
5) <u>Mimusops elengi</u>	Sapotaceae	गुनीसीएर
6) <u>Pithecolobium platylobum</u>	Fabaceae	खैर
7) <u>Acacia catechu</u>	Fabaceae	
8) <u>Leucaena leucocephala</u>	Fabaceae	
9) <u>Mentha spicata</u>	Lamiaceae	
10) <u>Erythrina indica</u>		
11) <u>Bauhinia purpurea</u>		
12) <u>Madhuka longifolia</u>	Sapotaceae	मोडु, मडु
13) <u>Phytanthus emblica</u>		
14) <u>Ficus glomerata</u>	Moraceae	अनर
15) <u>Terminalia bellerica</u>	Combretaceae	वेडा
16) <u>Butea monosperma</u>	Fabaceae	(sacred tree)
17) <u>Mitragyna parviflora</u>	Rubiaceae	

List some of observed plants....

Department of Botany/ Microbiology
J.D.M.V.P'S ACS College, Jalgaon.
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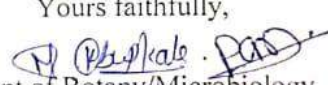
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25	Sunil Shirbath			9834313439		
26	Inshu			9673958118	2800/-	<i>[Signature]</i>

69 - 500 - 34,500
 2 - 200 - 400
 42 - 100 - 4200
 2 - 50 - 100
 + 39,200
 + 2,800 = 42,000

50,400 Total

J.D.M.V.Ps ACS COLLEGE JALGAON

DEPARTMENT OF BOTANY

ONE DAY BOTANICAL EXCURSION TO MEHARUN PARK , JALGAON

A One day Botanical Excursion has been arranged by Department of Botany, J.D.M.V.Ps ACS College, Jalgaon. On 03/12/2022 at Meharun park, Jalgaon. The excursion was primarily planned for M.Sc-I & M.Sc-II students. According to KBCNMU Syllabus the M.Sc students were mainly introduced to various local Angiospermic plants. further more basic idea has been provided to identify different flowering plants. On the basis of various morphological characteristics. In addition information has also been provided to the students regarding the preservation of plants along with preparation of herbarium sheets and photographs. On the other hand for M.Sc. student collected some algal samples like chara, diatoms and spirogyra etc to give them the basic idea about the diversity of algal life forms. On Dated 03/12/2022 teacher & students met each other 08.30 am in the college campus, We reached the placed $\frac{1}{2}$ an hour i.e. around 09 am. After observing the plants staying there for around 5 hours.

Objectives –

Study of local plants diversity in lower group of plant as well as Angiosperm to provide knowledge regarding the preservation of plant sample.

Outcome -

- 1)The student learnt about biodiversity in plants
- 2) They collected plants specimen for submission purpose

Faculty Name –

- 1) Asst.prof. Nafisa A.Tadvi
- 2) Asst.prof. Kamini A. Sapkale
- 3) Asst.prof Yasmin J.Jamadar
- 4) Asst.prof Kajal S. Patil
- 5) Asst.prof Varsha G.Patil

Student Name List – M.Sc.-I

- 1) Kadam aachal vishwanath
- 2) patil aaditi kailas
- 3) patil kalyani nandkishor
- 4) patil shital govinda
- 5) sana kausar Qurban khan Tadvi
- 6) sinkar pratisha rajendra
- 7) sonawane prasad kailas

Student Name List – M.Sc.-II

- 1) Revati Bhavsar
- 2) Pratiksha Bhadane
- 3) Priyanka patil
- 4) Vaishali Japte
- 5) Nanda Gawli



FACULTY AND M.SC STUDENTS I MEHARU PARK JALGAON



M.SC STUDENTS I MEHARU PARK ,JALGAON

List of Plants -

Alysicarpus hamosus Edgew,
Biophytum sensitivum (L.) DC,
Cassia pumila Lam.,
Bidens biternata (Lour.) Merr. And Sherff.,
Impatiens balsamina L.,
Polygala arvensis Willd., *Vernonia cinerea* L.,
Xanthium strumarium L.,
Indigofera linifolia (L. f.) Retz.
Indigofera cordifolia Heyne ex Roth.
Clitoria biflora Dalz.,
Cassia pumila Lam,
Zornia gibbosa
Lavandula bipinnata (Roth) O. Ktze.

Andropogon pumilus Roxb.,
Apluda mutica L.
Abrus precatorius L.,
Clitoria ternatea L.,
Crotalaria medicaginea Lamk.,
Goniogyna hirta (Willd.) Ali,
Sesbania sesban (L.) Merr.
Cassia auriculata L.
Coccinia grandis (L.)
Voigt,
Cyathocline purpurea (Buch.-Ham. ex D. Don.),
Lagascea mollis Cav.,
Physalis minima L.
Teak- (*Tectona grandis*),
Sissu (*Dalbergia sissoo*)
Babhul (*Acacia arabica*),
Bor (*Zizyphus jujuba*),
Lantana camara ,
Calotropis gigantia,
Eucalyptus teriticornis.
Azadirachta indica,
Caesalpinia pulcherrima
Algae like chara, diatoms and spirogyra

“INDUSTRIAL VISIT IN CHHABI ELECTRICALS”

THIRD YEAR BACHALOR OF SCIENCE IN
ELECTRONICS

2018-2019

DATE OF VISIT :- 12/10/2018

CHHABI ELECTRICALS PRIVATE LTD.



**Address E-66, M.I.D.C. Ajantha
Road, Jalgaon Jalgaon
Maharashtra India 425003**

VISION OF “CHHABI ELECTRICALS”

***“TO PROVIDE
INNOVATIVE SOLUTION
FOR A BETTER
TOMORROW”.***

ABOUT OF “CHHABI ELECTRICAL”

- ◉ Directors of Chhabi Electricals Private Limited are Saili Chhabiraj Rane, Supriya Chhabiraj Rane, Chhabiraj Madhusudan Rane.
- ◉ Chhabi Electricals Private Limited is a Private Company incorporated at Registrar of Companies RoC-Mumbai on 11/20/2086.
- ◉ In the past Chhabi has been conferred with the prestigious 'Udyogshree', 'Order of Merit', 'Global Arch Excellence', 'District Award' by Maharashtra Government and 'IEEMA SME Quality Commendation' from IEEMA for 2013.

- It was in 1965, that our visionary chairman, Madhusudan O.Rane established Chhabi Electricals, at Mumbai, Maharashtra . Aim was to operate in the field of capital industrial and electrical equipments.
- In 1999, Chhabi got the prestigious **ISO: 9001** certification, which continues with the passage of time with timely renewals

PRODUCTS OF “CHHABI ELECTRICALS”.



- **THYRISTORISED BATTERY CHARGER**
- CEPL's thyristor controlled rectifiers use advanced digital control technology with user-friendly operation, flexible interfaces with state of art control features, options of touch screen and text display, 6/12 pulse thyristor bridge, a mains isolation transformer, standard alarms and meters etc. As they have an advance DC regulator for all the rating, there is no dropping diode for online charge boosting. They operate either as a stand alone system or in a parallel manner with the load shared between battery chargers.

TRANSFORMERS



- Chhabi's Low Tension dry Type Transformers are reputed for their quality and workmanship. They are designed by experienced Transformer Specialists. All Transformers comply with the requirements of IS. Low voltage High current transformers, power and Isolation Transformer, Control Transformer, Lighting Transformer, Auto Transformer, Rectifier Transformer, Safety Transformer are few other types in the Chhabi range. They have a capacity of 3 VA to 500KVA in dry type construction. A very high quality of materials used in core, winding and insulation ensures their performance. Transformers are available in enclosed, open modules as per customer requirement. Line correcting transformers, step up/step down transformers are also available.

BATTERY DISCHARGERS

- Completely powered from batteries, this discharger is designed to operate with various battery systems and is extremely cost effective. It is completely powered from the Batteries under test, i.e. no mains supply is required. Therefore, tests are not terminated part way through, by a temporary mains power outage. The unit uses forced air-cooling. The Load is housed in a compact, rugged enclosure with and is lightweight for the power rating and is also completely portable. The Load may be left on site, unattended, for an extended period, if required. The Load Bank has constant current operation. The load current is continuously variable over the entire current range. The current can be controlled from front panel. It is possible to select the "End Voltage" per cell as per battery type. When enabled the load monitors the overall battery Voltage and when it drops to the "End Voltage" it will automatically disconnect the load and the current will drop to zero.



MODULAR DC SYSTEMS

- Chhabi's intelligent high-frequency switch mode DC power system is a highly reliable product with modular design. It is adjustable to various power networks with super-wide voltage input range. Rectifier modules being hot-pluggable are convenient for online maintenance with the cutting-edge soft switching technology. These rectifiers features high efficiency with low EMI. Low difference active load sharing of rectifiers ensures inter-rectifier imbalance rate of only 3%. An inbuilt power correction is provided, along with temperature compensation of Battery charging voltage. CE and EMC certifications additionally ensure their reliability and safety. At CEPL, this range is offered in the basic modules: 24V-75A, 48V/40A, 110V-10/20/40A, 220V/5/10/20A. With a very high efficiency, they respond dynamically for step loads.



STABILUX - ENERGY SAVER



- **Features :**
 - Faster pay-back
 - Economical and safe
 - Expanding the life time of connected equipment
 - Improve system efficiency
 - Field proven performance
 - Versatility and easy installation
 - Minimizes inrush current
 - Reduces harmonics in the system
 - Reduces Maximum Demand
 - Improves power factor of the system
 - Reduces the temperature rise & heat
 - Reduced maintenance costs

SOLAR CONTROLLERS

- ◉ The solar power controller acts as an interface between photovoltaic (PV) array, battery, battery charger and load. The solar power controller will regulate the charge of battery (battery charge / Discharge Relay, Battery overcharge Relay) & will monitor the charging current from the solar Array. It maintains the battery within the specified limits through appropriate control action.



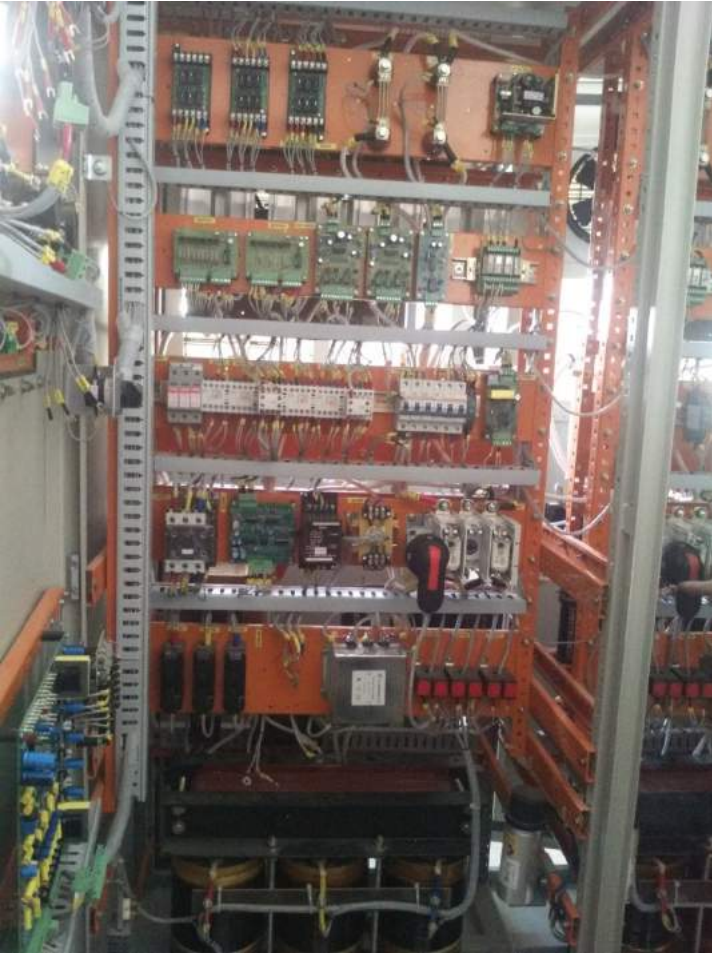
CUSTOMER OF CHHABI

- Power generation :-
Thermal, Hydro, Nuclear, gas etc.
- Refineries and chemicals
- Cement industries
- Steel industries
- ONGC
- Petrochemicals

APPLICATIONS

- ⦿ Power segment:- generation plant, transmission and distribution substations.
- ⦿ Railway:- metro railway.
- ⦿ Metallurgy:- Mines & minerals.
- ⦿ Other:- aviation, chemical and fertilisers, ordnance factories.







SUBMITTED BY
MR. SAGAR SHIVAJI PATIL
MR.KUNAL NANA PATIL

THANK YOU

Department of Chemistry

1. Visited at Laxmi Rubber Industries Pvt. Ltd.



2. Jalgaon Jilha Doodh Fedretion Jalgaon



Department of Botany

Plant Collection 2018-19







A handwritten signature in black ink, appearing to be the name of the Principal.

**PRINCIPAL
J.D.M.V.P.S.**

**Shri S.S.Patil Arts, Shri Bhausaheb
T. T. Salunkhe Commerce and
Shri.G.R.Pandit Science College, Jalgaon**