

Gokhale Education Society's

R. H. Sapat College of Engineering and Management, Nashik

Department of Master of Computer Applications (MCA)

REPORT
ON
VISIT TO SAHYADRI FARMS, NASHIK

7th December 2024, Saturday

On 7th December 2024, the MCA department of R.H. Sapat College of Engineering and Management, Nashik organized an educational visit to Sahyadri Farm, Nashik. The visit aimed to provide students with practical insights into modern agricultural practices, supply chain management, and the cooperative business model followed at Sahyadri Farm. The delegation consisted of 43 FYMCA students and 2 faculty members (Ms. P. N. DEshmukh & Ms. T. U. Ahirrao). It took about an hour to cover the distance.

Sahyadri Farm is renowned for its advanced agricultural practices, farm-to-fork supply chain, and innovative use of technology to empower small-scale farmers. The farm exemplifies the use of data-driven decision-making, automated processing units, and smart inventory management to ensure efficiency and quality in every aspect of its operations. This made it an ideal destination for students pursuing technology-driven careers to witness real-world applications of IT and automation in a domain outside the traditional IT sector.

The visit provided a platform for students to explore how technology is revolutionizing agriculture and supply chains. It also highlighted the role of cooperative models in fostering economic sustainability. The insights gained from this visit are expected to complement the students' academic curriculum, inspire innovative thinking, and deepen their understanding of the practical implications of technological advancements in non-traditional sectors.



Group photo of MCA department before departure from R.H. Sapat College of Engineering and Management, Nashik

OBJECTIVES OF THE VISIT

The primary objectives of the visit were:

- To understand sustainable farming practices and their role in modern agriculture.
- To gain insights into the operational model of Sahyadri Farms, particularly their farm-to-fork supply chain.
- To explore the integration of technology and innovation in agricultural practices.

JOURNEY DETAILS

The journey began from the R.H. Sapat College of Engineering and Management, Nashik campus at 10AM. A college bus was arranged for transportation, ensuring comfort for all participants. The group enjoyed an engaging journey filled with discussions and recreational activities. It took about an hour to cover the distance. The team arrived at Sahyadri Farm at approximately 11AM. The return journey commenced at 3PM, and the group reached the college premises by 4PM.



Photo of Students engaging during the journey or Arrival at Sahyadri Farm, Nashik.

ACTIVITIES AT SAHYADRI FARM

Welcome and Orientation:

Upon arrival, the group was warmly welcomed by the Sahyadri Farm's team member. An orientation session provided a brief introduction of Paani Foundation, overview of the farm's history, how company was established, vision, and achievements.

Sahyadri is India's largest integrated platform for fruits and vegetables operating in Nashik district of Maharashtra. Sahyadri is excelling with time as it has leveraged its presence in the total value chain by involving itself in all the activities of the farming, supply chain including processing and export. The primary objective of company was to stand in global market and to provide the best of infrastructure and adequate production and processing facilities to the farmers to make them participate in the value chain.

The Managing Director and Chairman of a company is Mr Vilas Vishnu Shinde started Sahyadri with the mission to ensure that the small-landholding farmers of India are given fair compensation for their produce and labour while ensuring that we adhere to global standards of agriculture practices, world-class infrastructure, international food safety standards, and the will to deliver safe, hygienic and healthy food to consumers. He started Sahyadri by exporting

grapes to Netherland embassy, Europe in 2004. And now Sahyadri is India's top company that exports fruits, vegetables, crops, dry fruits to 42 countries and covers 40% global market working with around 8000 farmers.



MCA students with Guide Mr. Ankit from Sahyadri Farms

Guided Farm Tour

The group was taken on a guided tour of the farm, which included:

- **Processing Units:** Visited sweet corn processing unit, vegetable processing unit (observed processing of cauliflower), understood the post-harvest management process, including sorting, grading, and packaging.
- **IQF Processing Unit:** Understood IQF processing and observed samples of IQF vegetables and fruits.
- **Storage Facilities:** Learned about cold storage and inventory management.
- **Kissan Plant:** Visited kissan plant and packaging site.
- **Factory Outlet:** Visited factory outlet and got opportunity to try their products and shop

Interactive Session:

An interactive session was held with a farm's member at each processing unit leaving us with a deeper understanding of the intersection between technology and agriculture., where we learned about the cooperative farming model, role of technology and its impact on empowering local farmers, working of each unit of the company, Students learned about the farm's smart irrigation systems, real-time monitoring of crop health, and predictive analytics to forecast demand and reduce waste. We actively participated, asking insightful questions about the challenges and opportunities of implementing technology in agriculture, insights of Sahyadri and the facilities provided by the company like:

- Farmer facility centre
- Lab and testing centre
- Whether testing sensor lab
- Skill development centre
- Tissue culture lab
- Collaboration with Kissan Company
- Collaboration with TATA Company

Refreshment:

The farm team provided a delicious complimentary juice, giving students a chance to taste the produce grown on-site and opportunity to explore the company's campus and capture some pictures.



KEY LEARNINGS

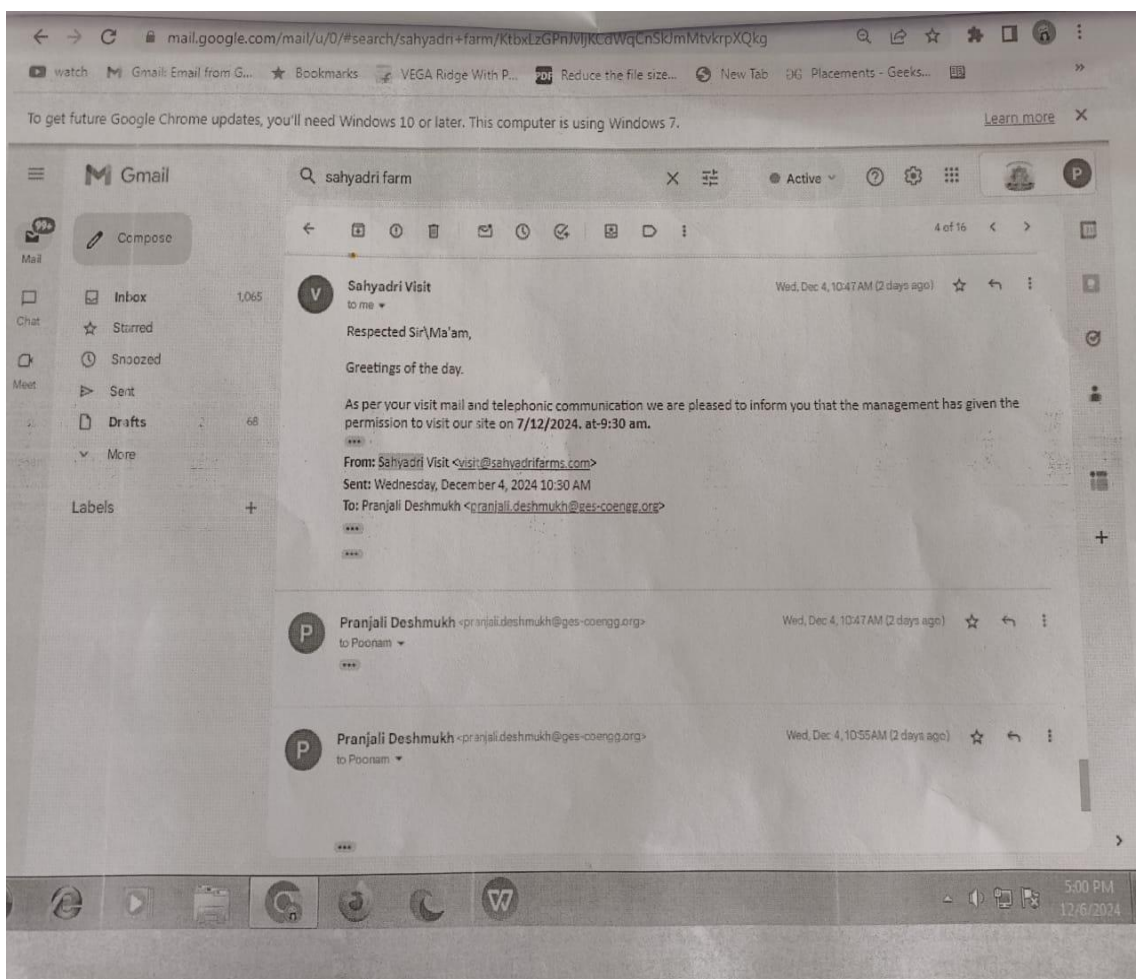
The visit to Sahyadri Farm was highly enriching. The following key insights were gained:

- The importance of sustainable farming practices in ensuring environmental conservation.
- The operational efficiency of a cooperative farming model in empowering small-scale farmers.
- Integration of advanced technology in agriculture, such as automated sorting machines and cold storage units.
- The critical role of supply chain management in maintaining product quality from farm to consumer.

The visit to Sahyadri Farm was an invaluable learning experience, providing students with a unique perspective on the integration of technology in agriculture. The advanced practices observed, such as automated sorting systems, data-driven supply chain management, and precision farming techniques, showcased the pivotal role of technology in modernizing traditional industries.

Through this visit, students gained insights into how technology can enhance efficiency, sustainability, and scalability in operations, offering a practical understanding of concepts that align with their academic studies. The exposure to real-world applications of technology in a cooperative farming model emphasized the importance of innovation and its impact on economic and social development.

This experience not only broadened students' technical knowledge but also inspired them to explore new ways technology can solve real-world problems, making it a highly relevant and impactful visit for future technologists.



Approval Mail By Sahyadri Farms

Date: 4/12/2024

To,

The Principal,

GES's R H Sapat College of Engineering, Management Studies & Research,

Nashik

Subject: Permission to Arrange an Educational Visit to Sahyadri Farm, Nashik

Respected Sir,

I am writing to seek your approval to organize an educational visit for the FYMCA students to Sahyadri Farm, Nashik. The visit aims to expose students to the technological advancements in agricultural operations, including the use of data analytics, IoT, and automated systems in farming and agro-processing.

Sahyadri Farm is known for integrating modern technology with traditional farming practices, making it an ideal learning opportunity for our students. This visit will allow them to explore real-world applications of their coursework, including automation, data management, and sustainable development.

The proposed date for the visit is Saturday, 7th December 2024. A team of 3 faculty members will accompany the students to ensure smooth coordination and safety.

We will ensure that all arrangements, including transportation, parental consent, and adherence to institutional guidelines, are in place for the visit.

I kindly request your permission to proceed with organizing this visit.

Thank you for your consideration.

Yours sincerely,

Dr. Poonam Chaudhari

HOD(MCA Engg)

Poonam Chaudhari

1/2 Faculty

[Signature]
4/12

*48 Students
+
3 Faculty*

RMP

*To arrange bus
accounts*

[Signature]
4/12/24

Principal's Permission Letter

UNDERTAKING BY STUDENTS

To,
The Principal,
Gokhale Education Society's,
R.H.Sapat COEMS&R,
Nashik 05

Through: - Head of the Department, MCA(Engg).

Respected Sir,

I, Sidhlesh Bhaskar Ugale the student of FYMCA, I am participating in Educational Visit to Sahyadri Farm, Nashik, on 7/12/2024

I assure you that,

- 1) I am participating in this visit voluntarily and willingly and I will be wholly responsible for my own conduct and well being. For any kind of mishap / hardship / inconvenience I will be solely responsible for it.
- 2) I will abide by all the rules regulations and discipline in the whole visit.
- 3) I will maintain the decorum of the visit.
- 4) I will follow instructions given by the staff members accompanying us.
- 5) I will not consume any liquor and tobacco during this period.
- 6) I will not hold the College / Institute for any damage / liabilities arising by my participation in this Industrial Visit / Tour.

Date:- 4-12-2024
Name of the Student Sidhlesh Ugale

Sign: [Signature]

Parent's Declaration

I Bhaskar Kasinath Ugale, father / mother of Sidhlesh, hereby allow him / her to go for the above visit. We are aware of the terms and conditions as specified in the undertaking by my / our ward and take full responsibility of my / our ward.

Date 4-12-24

Name:- Bhaskar Ugale Sign:- B.K.ugale

Sample Parent's Consent Form

FYMCA Sahyadri Farms Visit Attendance

Date: 7/12/2024

Sr. No	Name	Signature
1	Matsagar Krushna Shivaji	
2	Patil Kunal Ishwar	
3	Pandit Sakshi Sandip	
4	Yadav Ravikumar Tribhuvan	
5	Samruddhi Atul Gore	
6	Dnyanesh Prashant Rane	
7	Ahirrao Nikita Nandkumar	
8	Vispute Aniket Pravin	
9	Samrit Abhishek Maroti	
10	Pagar Harshal Sunil	
11	Avinash Bhagwat Bagul	
12	Darshan Manohar Hiray	
13	Chinmay Rane	
14	Bhamare Priyanka Vivek	
15	Yash Ahire	
16	Patil Chetan	
17	Dhiraj Nandalal Mahajan	
18	Shruti Yogesh Ugale	
19	Yadnika Mohanrao Dev	
20	Shraddha Sampat Tambe	
21	bhakti pramod gore	
22	Patil Darshana Anil	
23	Chhaya patil	
24	Amruta Vinod Panchbhai	
25	Priyanka Patil	
26	Vishnupriya Vikraman Panicker	
27	Shimpi Karuna Hiralal	
28	Sathe Nandini Dinesh	
29	Mansi Borane	
30	Dhande Urvashi Kiran	
31	shaikh Farzeen Jakir	
32	Sujit Somnath Jagtap	-
33	Khan Fayyaz Ahmed Mohd Mustafa	-
34	Deshmukh Digvijay Ganpatrao	
35	Nikita nivrutti jadhav	
36	Asmita Ajay Jadhav	
37	Tejal Narendra Bawaskar	
38	Suryawanshi Vinit Dilipsing	
39	Ugale Siddhesh Bhaskar	
40	Chaudhari Janhavi Eknath	
41	Chikhle Anamika Avinash	
42	Valte Dhanashri Bakerao	
43	PawarJanhavi Bajirao	
44	Rahane Anuja Gorakhnath	
45	Maruf Parvez Kotwal	

Attendance Report

Prepared By

Ms. P. N. Deshmukh

FYMCA(CC)

