

**FIELD TRIP TO COCOON PRODUCTION UNIT**  
**IN THUMMANAPALLY, HUZURABAD**



**DEPARTMENT OF CHEMISTRY, GOVT.  
DEGREE COLLEGE, HUZURABAD  
DIST: KARIMNAGAR, TELANGANA.**

**2018-2019**

DATE:- 25.09.2018

TO  
THE PRINCIPAL,  
GOVT. DEGREE COLLEGE,  
HUZURABAD,  
KARIMNAGAR.

SUB; -Request letter for permission to organize a field trip

With respect to the subject above cited that department of *chemistry* want to  
arrange Field trip to *cocoon production unit - Humnagally* on *28. 09. 2018*

Hence I request you to give permission to our department to organize the  
Field trip.

Thank you

Yours faithfully

*Prof.*  
Dr. M. Prashanthi  
HOD

*[Signature]*  
GOVT. DEGREE COLLEGE  
HUZURABAD  
Dist. Karimnagar

## **OBJECTIVES OF THE FIELD TRIP**

1. To provide real life situation based on firsthand information.
2. To supplement the classroom instruction.
3. To learn the stages in the production of silk.
4. To learn what disinfectants are being used in the process of rearing and reeling of the cocoon.

**LIST OF THE STUDENTS WHO PARTICIPATED IN FIELD TRIP:**

S.NO.	NAME OF THE STUDENT	CLASS
1	G.MAMATHA	MCCS III YEAR
2	P.SHIRISHA	“
3	B.ANITHA	“
4	M.AKHIL	“
5	K.THRINITHA	BZC III YEAR
6	MD.ALI SAAB	“
7	K.MADHAVI	BZC I YEAR
8	D.BHOOMIKA	“
9	M.MOUNIKA	“
10	M.BIKSHAPATHI	MPC I YEAR
11	M.ASHOK	“
12	A.MANOJ	“



## **REPORT ON THE FIELD TRIP**

The department of chemistry organized a field trip to the COCOON PRODUCTION UNIT in Thummanapally, Huzurabad on 28-9-2018 with MCCS,BZC III Year and MPC,BZC I Year students. This was inaugurated by the Principal Sri.G.Parameshgaru.

The farmers in the production unit explained the three stages of cocoon production. The stages are cultivation of mulberry, rearing of cocoons and reeling of cocoons. They also explained several diseases caused by bacteria, virus, fungi and protozoa which affect silkworms. They also explained about the disinfectants used to prevent these diseases. Our college Principal, In-charge department of chemistry and all other faculty members participated in this field trip.

## **FIELD TRIP OUTCOMES**

1. Students observed and learned about cocoon production with first- hand experience.
2. Students gained practical knowledge and skills by observing the techniques.
3. Students understood the relation between theory and practical.
4. Students learnt what are the disinfectants are used to prevent the diseases.
5. They also learnt what are the physical conditions required for the maintenance of hygiene during rearing.

## At the mulberry fields









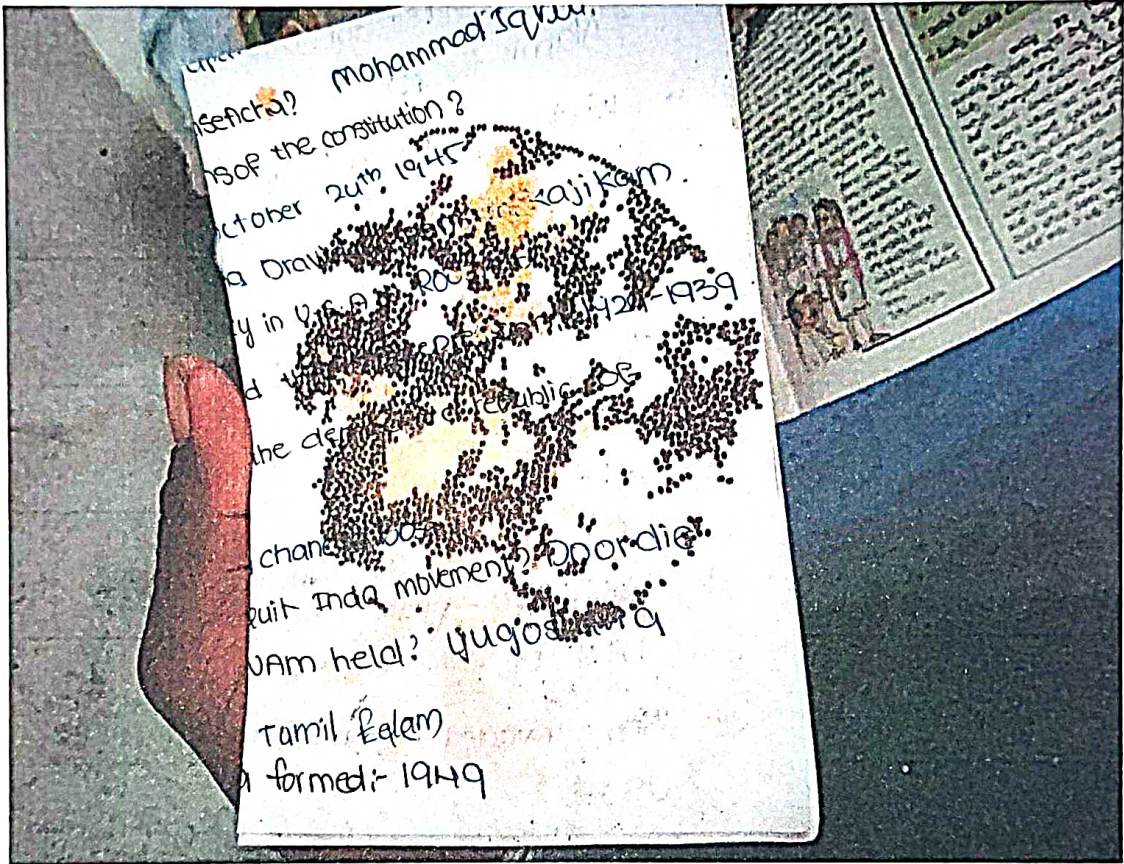




## Silkworms feeding on mulberry leaves



# Eggs of silkworms





**FIELD TRIP**  
**TO**  
**KRISHI VIGYANA KENDRAM JAMMIKUNTA**



Organized by  
DEPARTMENT OF CHEMISTRY,  
GOVERNMENT DEGREE COLLEGE, HUZURABAD.  
DIST:KARIMNAGAR,TELANGANA.

**2021-2022**



Date: 27-06-2022.

To

The Principal,  
Government Degree College,  
Huzurabad,  
Dist: Karimnagar.

Respected Sir,

Sub:- Department of Chemistry Field Trip 2021-22 – Request for granting permission to bring the Students for field trip.

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With reference to the subject cited above Department of Chemistry decided to arrange field trip to Krishi Vignana Kendram, Jammikunta

On 27-06-2022.

Hence, I request you to grant permission to our department to organize the field trip.

Thanking you sir.

Yours faithfully.

*N. Udaya Sree*

N. Udaya Sree  
Incharge, Dept. of Chemistry

*permitted*  
*ESR*  
*28/6/22*

## **Objectives of the field trip:**

1. To learn grouping of the soil into categories relative to the nutrient level
2. To learn how to provide the basis for fertilizer recommendation.
3. To learn correlation between soil analysis with crop yield.
4. To learn how to collect soil sample carefully.
5. To reinforce experiential and contextual learning through hands-on experience.
6. To learn novel things in authentic settings.
7. To link classroom lessons to the life and also with the community.

**LIST OF THE STUDENTS PARTICIPATED IN FIELD TRIP:**

S.NO.	NAME OF THE STUDENT	CLASS
1.	B.AKASH TEJA	BZC II YEAR
2.	T.PAVANI	"
3.	D.UMARANI	"
4.	K.HARINADH	"
5.	M.RAMESH	"
6.	MD.THAERA	BZC I YEAR
7.	K.ANJALI	"

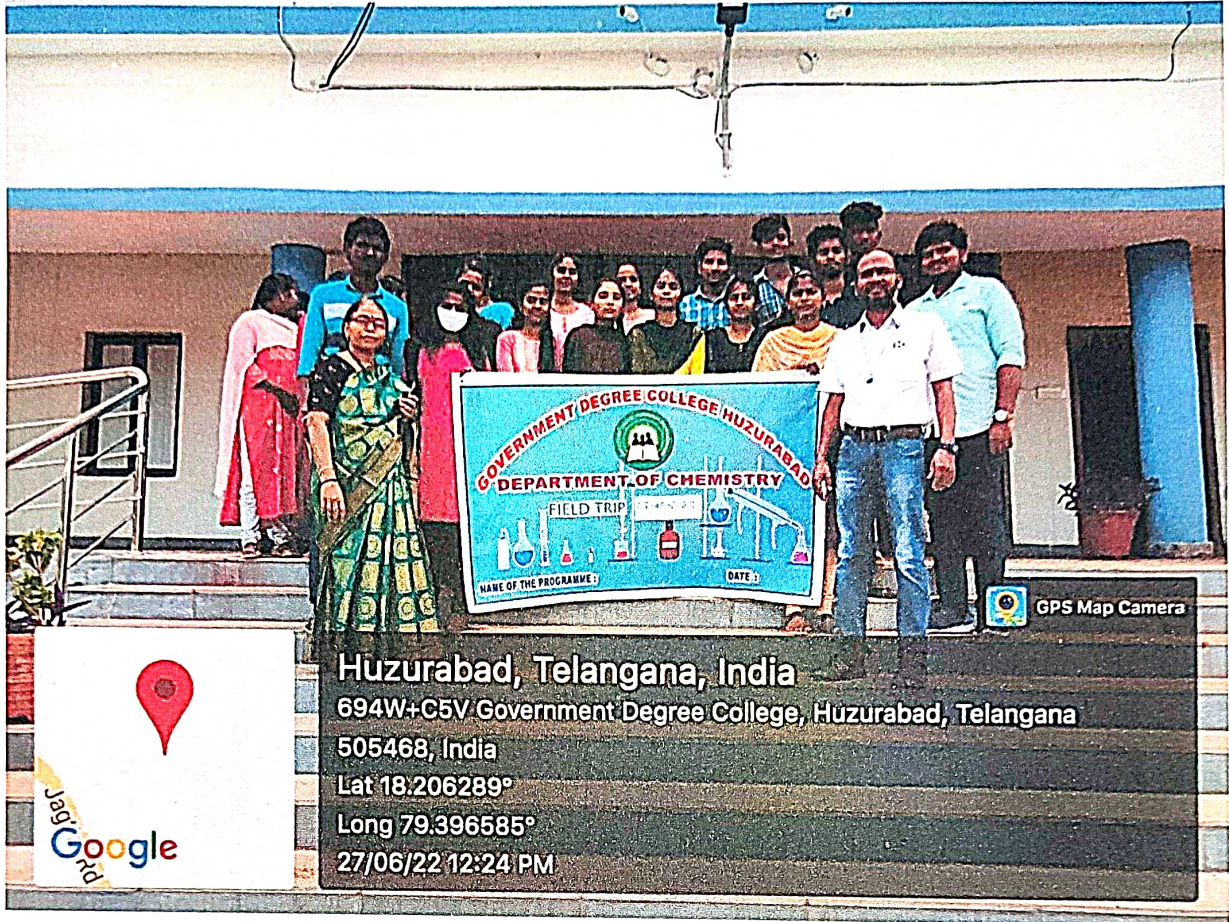
## **REPORT OF THE FIELD TRIP**

Department of Chemistry conducted a field trip to Krishi Vigyana Kendram, Jammikunta on 27.07.2022 with BZC II Year and BZC I Year students. This programme was flagged off by the Principal Sri.G.PARAMESH garu at the college. Smt. SUPRAJA, Supervisor, Soil Testing Department of Krishi Vigyana Kendram explained how to collect soil samples and also explained the procedure of soil testing and the process of recording the results. In this field trip our college Principal, Department Incharge Smt.N.Udayasree and other faculty members Hariprasad,Rajkumar,Madhu, Nagaparameshwarachary,Swarooparani and Swapna participated.



## **FIELD TRIP OUTCOMES**

1. Students observed and learned about different types of soils.
2. Students gained practical knowledge by observing the techniques.
3. Students understood the relation between theory and practical.
4. Students learnt the correlation between soil analysis and crop yield.
5. Students also learnt the social responsibility by sharing this knowledge with their neighbours.



**Huzurabad, Telangana, India**  
 694W+C5V Government Degree College, Huzurabad, Telangana  
 505468, India  
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 Long 79.396585°  
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గణప సవరించాడే సమితి  
వైకాసం కృషి నిజాని కేంద్రం

GOVERNMENT DEGREE COLLEGE  
HUZURABAD  
Department Of Botany  
27-06-2022



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505468, India  
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Long 79.396585°  
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GPS Map Camera





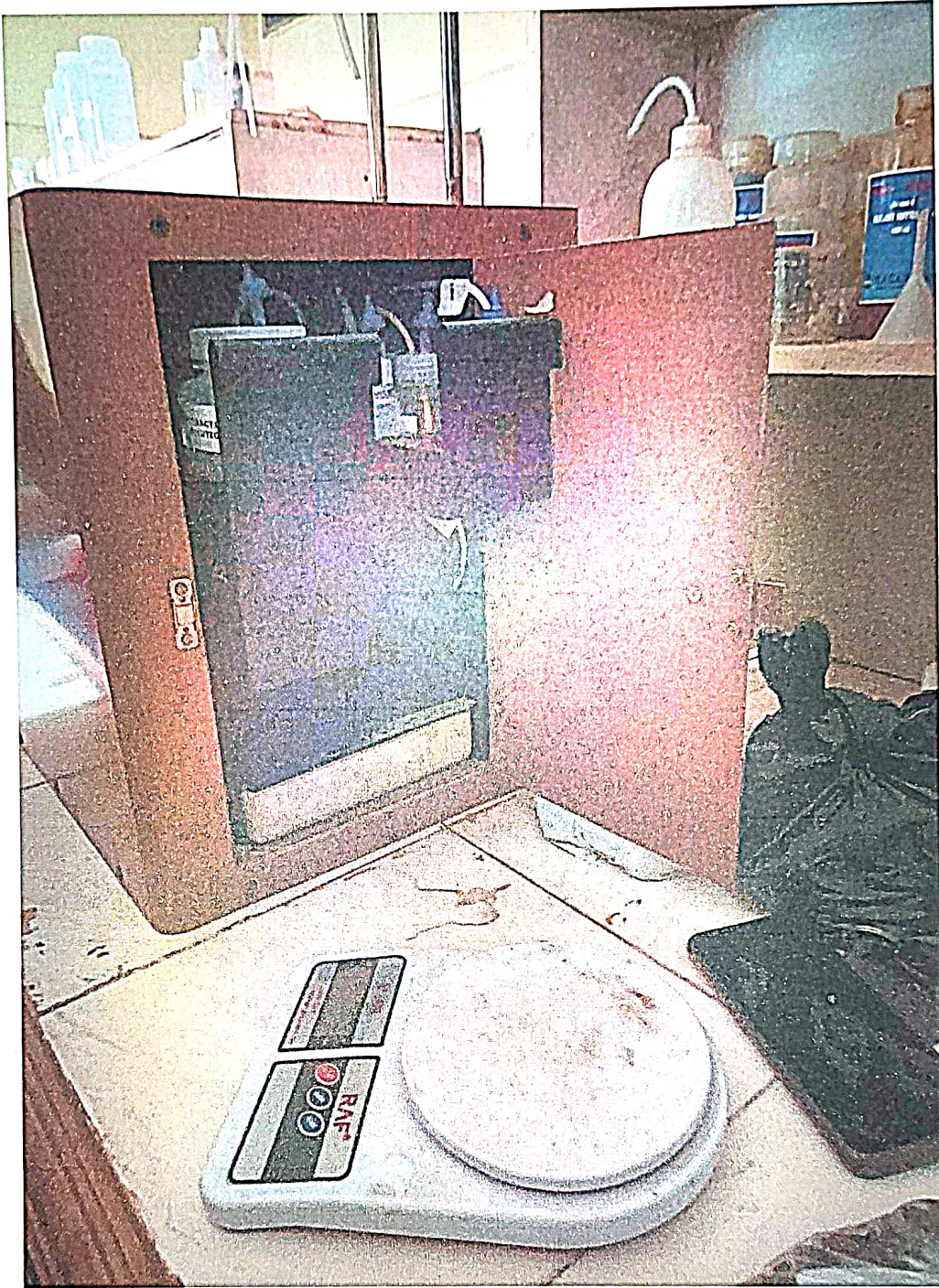
Before the Laboratory at KVK, Jammikunta





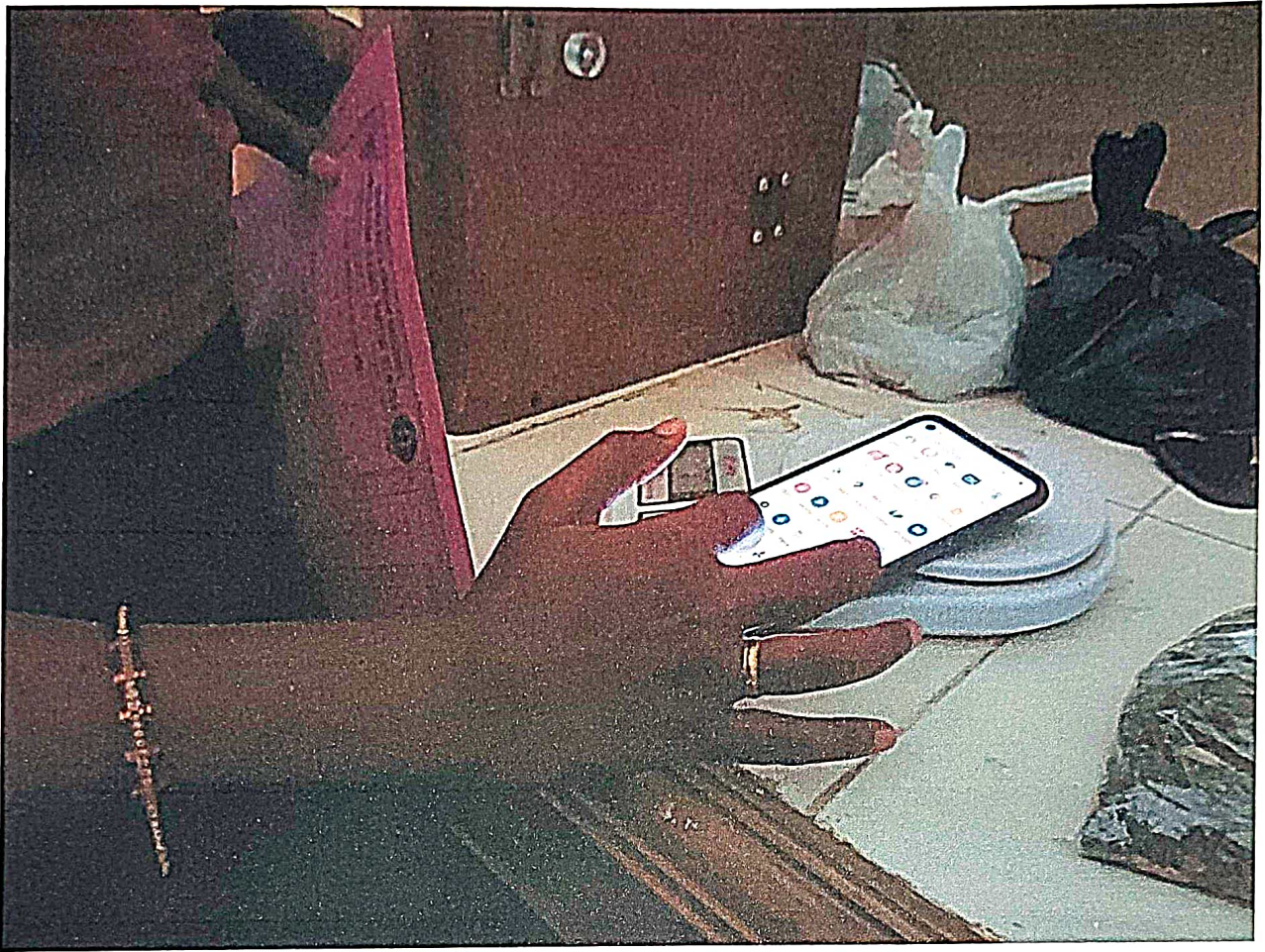
Interacting with Ms. Supraja, Supervisor, KVK, Jammikunta





Soil Testing Machine and other Equipments






Mobile Connected Soil Testing Machine is being operated with KVK App






Chemicals used for Soil Testing





**GRAMA NAYA NIRMAN SAMITHI'S  
PRAKASAM KRISHI VIGYAN KENDRA**  
JAMMIKUNTA, Dist. Karimnagar, (TS) Ph: 08727-253550  
email: kvk\_jammikunta@rediffmail.com website: www.kvkjammikunta.com



**GNNS**

### SOIL HEALTH CARD

SHC No. : \_\_\_\_\_  
Name of the Farmer : \_\_\_\_\_

SOIL HEALTH CARD		Lab Name : KVK JAMMIKUNTA				
Farmer's Details		SOIL TEST RESULTS				
Name						
Village	S. No.	Parameter	Available value	Unit	Scale	
Mandal	1	pH				
District	2	EC		mS/cm		
State	3	OC		%		
Pincode	4	Nitrogen (N)		Kg/ha		
Anchor No.	5	Phosphorus (P)		Kg/ha		
Mobile No.	6	Potassium (K)		Kg/ha		
Soil Sample Details	7	Zinc (Zn)		mg/Kg		
Soil Sample No.	8	Sulphur (S)		mg/Kg		
Sample Collected No.	9	Boron (B)		mg/Kg		
Survey No.	10	Iron (Fe)		mg/Kg		
Khasra	11	Copper (Cu)		mg/Kg		
No/DAG No.	12	Manganese (Mn)		mg/Kg		
Soil Type	13	Calcium (Ca)		mg/Kg		
Season						
Geo Position (GPS)	Latitude					
	Longitude					

S. No.	Fertilizer	W	C	S	B	Fe	Mn	Cu	Zn	Mo	
1	Urea-Low	100	125	127	138	125	14	27	28	328	173
	Medium	79	95	93	121	95	9	20	29	251	133
	High	55	65	67	84	65	6	13	20	178	84
2	DAP-Low	57	67	57	67	67	57	47	48	67	137
	Medium	44	52	44	52	52	44	35	35	52	104
	High	30	37	30	37	37	30	24	24	37	72
3	MOP-Low	35	35	35	43	52	0	43	52	105	97
	Medium	27	27	27	33	40	0	33	40	80	75
	High	19	19	19	23	28	0	23	25	55	53

Secondary & Micro Nutrients		
S.No.	Parameter	Recommendations (Kg/ha)
1	Sulphar (S)	
2	Zinc (Zn)	
3	Boron (B)	
4	Iron (Fe)	
5	Manganese (Mn)	
6	Copper (Cu)	

General Recommendations (Ton/ ha)		
S.No.	Parameter	Recommendations (Kg/ha)
1	Lime	
2	Gypsum	

Soil Health Card

  
 Principal  
 GOVT DEGREE COLLEGE  
 Huzurabad.