



# SRR & CVR GOVERNMENT DEGREE COLLEGE

(AUTONOMOUS)

ESTD:1937

VIJAYAWADA, NTR DIST., A.P

Institution is ranked by NIRF 101-150 band at NIRF 2020

WEBSITE. [www.srrcvr.ac.in](http://www.srrcvr.ac.in) E-Mail. [srrandcvr@gmail.com](mailto:srrandcvr@gmail.com)

NAAC 4<sup>th</sup> CYCLE



**SRR & CVR GOVT. DEGREE COLLEGE (A) VIJAYAWADA**

**DEPARTMENT OF MICROBIOLOGY**

**2019-2020**



**Field Visit to Araku Valley, Visakhapatnam District,  
Andhra Pradesh, India**





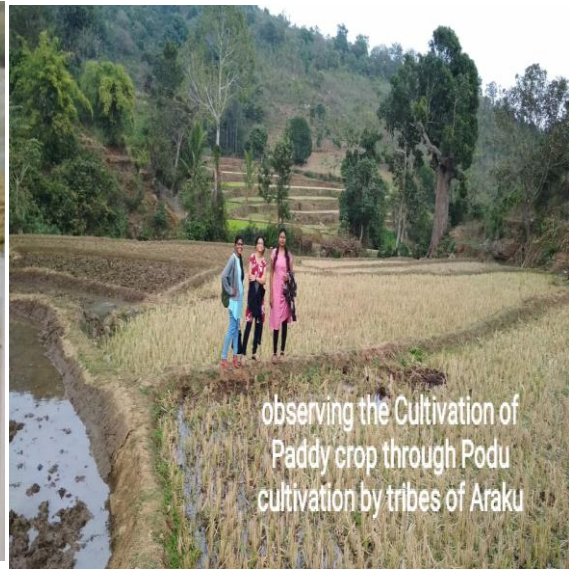
**25-01-2019 to 28-01-2019**

# **SRR & CVR GOVT. DEGREE COLLEGE (A) Vijayawada**

## **Department of Microbiology**

### **Activity Register 2018-2019**

|   |  |
|---|--|
| Date  | 25-01-2019 to 28-01-2019   |
| Conducted through<br>(DRC/JKC/ELF/NCC/NSS/Departments etc.) | <b>Department of Microbiology</b>  |
| Nature of Activity(Seminar/Workshop/Extn. Lecture etc.,)    | <b>Field Visit</b>   |
| Title of the Activity                                       | Field Visit to Araku Vally   |
| Name of theDepartment/Committee                             | Department of Microbiology   |
| No. of students participated                                | 17 III BSc MBC   |
| Brief Report on the activity                                | The Department of Microbiology has Organized Field Visit to Araku Valley, Visakhapatnam District, Andhra Pradesh from 25-01-1019 to 28-01-2019. Life below the soil, which is now threatened with erosion for its living, binding element – the microbes. They are being decimated. The focus is on humankind's greatest and oldest friends, the microbes. Hence soil samples are collected to analyse the microbial profile of the Araku Vally. |
| Name of the Lecturers who Planned & conducted the activity  | Dr .D .Jyothi and Mrs Dorcas Anand   |
| Signature of the In- Charge                                 |   |
| Signature of the Principal                                  |    |



III

**BSc MBC Collecting the Soil samples**



Microbes exist everywhere – in soil, plants, rivers, and even on and inside the human body. Soil microorganisms, particularly bacteria and fungi affect soil health, plant growth and by consequence the food we consume.

As the world conscience has grown and matured to feel the need to protect the oceans, rivers, animals and other precious inhabitants of the planet above the ground, today, as our knowledge refines itself into the invisible world of microbes, we need to seek justice for the vital contribution of bacteria and fungi for the Earth's future welfare. They are our past partners, our ancestors, our very origin - they are our future too.

### **MICROBES ARE EVERYWHERE**

9/10ths of us comprise of microbes and there are more microbes in a teaspoon of soil than there are people on earth. We are outnumbered and we need to live in harmony with these tiny symbiotic friends of ours.

### **MICROBES ARE VITAL TO OUR EXISTENCE**

Microbes inside the soil are living entities. Short-sighted agricultural practices such as indiscriminate use of chemical fertilisers can deplete soil carbon and starve microbial life. This also effects plant quality and the natural nutrients vital to their healthy existence. In short, plants need a rich microbial soil life to be healthy! And for us to get (nutritious) food.

### **PLANTS NEED THEM**

Think of microbes as a factory where production for the plant's requirement is fulfilled. A nitrogen fixing bacteria, for instance, converts atmospheric nitrogen to available nitrogen that is essential for plant growth. These microbial communities come together to provide important nutrients to the host plant.

Soil microbes are also critical for decomposing organic matter in the soil, ensuring soil nutrients are recycled and replenished. If it wasn't for microbes, our planet would be one big undecomposed garbage heap. Ever wondered what the sweet smell after rains in summer is? It's called petrichor – and comes from microbes!



## ACKNOWLEDGEMENTS

We express our deep sense of gratitude to Dr. Velaga. Joshi, Principal SRR & CVR Govt. Degree College Autonomous, and Vijayawada for his support and constant encouragement to upgrade the knowledge of the students.

In Charge Dept of Microbiology

D. Jyothi

  
Principal



SRR and CVR Govt Degree College (A), Vijayawada

Department of Microbiology

Students Attended

Title of the Activity: Tour to Araku Valley, Visakhapatnam Dist-

Class: B Sc MBC Andhra Pradesh, India.

Date: 25-01-2019 to 28-01-2019

| S No | Name of the Student        | Signature     |
|------|----------------------------|---------------|
| 1    | Gundu. Sai                 | Sai           |
| 2    | Matta. Naveen              | Naveen        |
| 3    | Miriqala. Vyshnavi         | Vyshnavi.     |
| 4    | Burugu. Viswas.            | viswas        |
| 5    | Dasari. Chandrika          | chandraka.    |
| 6    | Munipalli. Ravi Teja       | Ravi Teja     |
| 7    | Gummapu. Rohit Nanda       | Rohit         |
| 8    | Puppala. Lalitha           | Lalitha       |
| 9    | Gunturu Bhanu Durga Prasad | Durga Prasad  |
| 10   | Bolisetti. Teja Naga Sai   | Teja Naga Sai |
| 11   | Puppalla. Lavanya          | Lavanya       |
| 12   | Perisetti. Revanth         | Revanth       |
| 13   | Kesarapalli. Pavani        | Pavani        |
| 14   | Dasari. Keerthi            | Keerthi       |
| 15   | Gogulamudi. Surya prakash  | Keerthi       |
| 16   | Guttigunde. Pavithra       | Pavithra.     |
| 17   | Guruvelli. Neeraja         | Neeraja.      |



**SRR & CVR GOVERNMENT DEGREE COLLEGE  
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MACHAVARAM, VIJAYAWADA-520004  
DEPARTMENT OF ZOOLOGY**

|                             |   |
|-----------------------------|---|
| <b>Name of the Activity</b> | <b>Field Visit to Dairy Farm by III B.Sc BZC students</b> |
| <b>Place</b>                | <b>At Undavalli</b>                                       |
| <b>Date</b>                 | <b>2/11/2017</b>  |



As part of curriculum for paper vi Animal Husbandry – students visited dairy farm and students were told about machinery used for feed chopping and usage of machinery for different types of feeds.



As part of curriculum for paper vi Animal Husbandry – students visited dairy farm and have identified different species of buffalos and cows in the dairy farm, they have seen the housing system and feed management process followed in that dairy farm.

\*\*\*\*\*

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An Autonomous & ISO 9001: 2015 Certified Institution:: Ranked by NIRF in 101-150 band at NIRF-2020 & 151-200 band in NIRF 2019 NAAC accredited Institution with grade B+ with C.G.P.A 2.6 during March, 2017

Machavaram, Vijayawada, Krishna District, AP-520 004



### DEPARTMENT OF BOTANY

|   |  |
|---|--|
| <b>Dates</b>  | <b>11.4.2022</b>   |
| <b>Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.</b>       | <b>Department</b>  |
| <b>Nature of activity (seminar/Workshop/Extn. Lecture etc.</b>        | <b>Field Visit/ Botanical Tour</b>   |
| <b>Title of the Activity</b>  | <b>Botanical tour</b>  |
| <b>Name of the Department/Committee</b>                               | <b>Department of Botany</b>  |
| <b>Details of Resource Persons (Name , Designation etc., )</b>        | <b>III B.SC BZC Students</b>   |
| <b>No of students participated</b>                                    | <b>35</b>  |
| <b>Name of the Lecturers who planned &amp; conducted the activity</b> | <b>Planned and Organized by<br/>Ms G.Swapna<br/>Lecturer In Charge<br/>Ms V. N . Padmavathi , Lecturer in Botany<br/>Dr Ch. Srinivasa Reddy , Lecturer in Botany<br/>Mrs I.Prasanthi, Lecturer in Botany</b> |
| <b>Remarks</b>  | <b>This Botanical tour was a huge success as students and faculty explored various significant plants related to various families.</b>   |

Department of Botany SRR & CVR Govt Degree College Organized a one day Field trip /Botanical tour to Kondapalli forest Reserve area , Krishna District on 11/04/2022 . We started from college at 07.00 am in Bus and reached the Kondapalli area by 7.30 am.

**Motive of this program:**

- Providing students Onsite, practical and real time experience in forest area
- Providing additional knowledge on the Wild Species of Kondapalli forest area .
- Taxonomical and Medicinal characters studies on wild species

**Tour Report :**

III BSc BZC Students and Faculty Visited Kondapalli Forest area for exploring the wild species of plants. Faculty and Students explored the various species of plants covering nearly 4 kms on Kondapalli hill area.



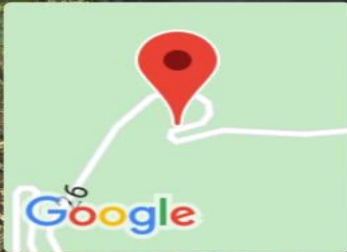
Students Collected the wild plant species for preserving and for the preparation of Herbarium. They noted down the observed wild plant species details like Common name , Scientific name , Family , Economical and Medicinal importance etc.

**Students Photographed the plants of significant Ecological and Taxonomic significance and collected some parts of the plants .**



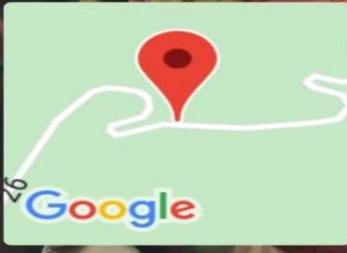
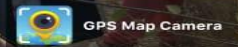
**Students and Faculty studying the Plant species of Ecological Significance in Forest area**





**Krishna, Andhra Pradesh, India**  
Kondapalli Khilla (fort) Ghat Rd, Andhra Pradesh 521228,  
India  
Lat 16.622895°  
Long 80.516112°  
11/04/22 08:53 AM

**Faculty Explaining the Botanical Significance Of wild plants to Botany Students**



**Krishna, Andhra Pradesh, India**  
Kondapalli Khilla (fort) Ghat Rd, Andhra Pradesh 521228,  
India  
Lat 16.622852°  
Long 80.516933°  
11/04/22 08:55 AM

After exploring the Vegetation spanning a width of nearly 4km students and faculty visited Kondapalli fort area which is of Historical significance . Students observed all the monuments, images , sculpture and preserved historical evidence from 15 th century , 16th and 17th centuries with enthusiasm and much interest .



This Botanical tour actually rejuvenated the students as they have not gone to any outside place since the pandemic long two and half years . This tour gave the students a best opportunity academically in two ways as this kondapalli forest area and fort are of Significant in two ways both Botanically and Historically .



**Students and Faculty Exploring the Botanical and Historical Significant Place Kondapalli**



**Students and Faculty thoroughly enjoyed this Botanical tour for one day with exploring all the wild species of plants on Kondapalli forest area and on hilly areas spanning an area of 4 kms and returned back to Vijayawada .**



The tour was very informative and beneficial to Botany students .

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**Machavaram, Vijayawada, Krishna District, AP-520 004**



DEPARTMENT OF BOTANY

# S.R.R & C.V.R. GDC (A) – Vijayawada

## Dept. of Chemistry

### Field visit to CSIR – IICT (Indian Institute of Chemical Technology) – Tarnaka, Hyderabad T.S. on 26.06.2022

Prepared by Dr. K.Nallapa Reddy

We the dept. of Chemistry, arranged an educational field visit to csir-iict, on 26.06.2022 for I M.Sc. Organic Chemistry students. CSIR-IICT is one of the Indian Agricultural Research Institute meant for Basic Research in Organic Synthesis & Catalysis, Popularly Known as **Indian Institute of Chemical Technology**, located at Tarnaka, Hyderabad, T.S. In this programme.

The programme is coordinated by **Dr. K. Nallapa Reddy** lecturer in Chemistry, along with PG. Co-ordinator **Dr. M. Malayadri** under the guidance of the College principal **Dr. K. Bhagya Lakshmi** and other faculty members of chemistry dept. 15 students of II M.Sc, (Organic Chemistry) participated in this programme.

#### Objective of this visit:

Prime objective of this tour is inculcation of scientific thinking among the students. CSIR-IICT is research institute of Basic Research in Organic synthesis & catalysis Located in India.

- Knowing and observing how research is done in this institute would help the students to **frame the basic idea of how the chemistry knowledge that they acquired in graduation & Post Graduation would help to do the research.**
- To know the various job opportunities in research institutes.
- To develop friendly relation among the peer members of students and with teachers



**Planning of the tour:** Proper planning and management made our tour a fruitful one. We have taken the permission from the director of CSIR-IICT and he accepted our invitation and assigned **Dr. B.D. Sanjay Sir**, for planning the tour. Finalising the dates and permission to utilise the canteen facilities is accorded through proper correspondence.

----- Forwarded Message -----  
From: Sanjay B.D. <[bdsanjay@iict.res.in](mailto:bdsanjay@iict.res.in)>  
To: [srrandcvr@gmail.com](mailto:srrandcvr@gmail.com)  
Cc: Malapaka Chandrasekharam  
<[csmalapaka@iict.res.in](mailto:csmalapaka@iict.res.in)>  
Sent: Thu, 16 Jun 2022 12:43:26 +0530  
(IST)  
Subject: Visit on 20/06/2022

Dear Madam/Sir,  
As per the instructions of DIICT and the present COVID situation, you are instructed to check the same and visit us on - 20/06/2022 or please cancel the visit. Request you to confirm the same.  
Regards,  
Dr Sanjay

## Request letter for visit permission

Vijayawada  
18 June, 2022

To  
The Principal,  
S.R.R & C.V.R Govt. degree college,  
Vijayawada.

**Subject: Requesting permission to visit CSIR-IICT,  
Secundrabad, Telangana.**

Respected madam,

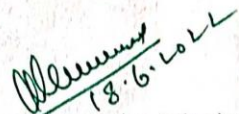
We are going to visit CSIR-IICT, Secundrabad, Telangana, on Monday, i.e. 20<sup>th</sup> June, 2022 with three Faculty members and one attendee. We are planning to go on Sunday night i.e. 19 June, and will arrive on 21 June, 2022 morning. So please grant us permission to visit CSIR-IICT.

Thanking you madam,

Yours sincerely,



We hereby attached the list of students and Faculty members who are going to visit IICT on 20-6-22.

  
18.6.2022  
Signature of the Principal  
Machavaram, VIJAYAWADA-4.  
(Autonomous)  
SRR & CVR GOVT. DEGREE COLLEGE  
PRINCIPAL

Further correspondence to finalise the time and date



# S.R.R. & C.V.R. GOVT. DEGREE COLLEGE

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Machavaram, VIJAYAWADA - 520 004. Krishna District.

Cell : 9848251236 Ph : 0866-2430060, Fax : 0866-2441092, www.srrcvr.ac.in srrandcvr@gmail.com



*Dr. K. Bhagya Lakshmi*, M.Sc., M.Phil, Ph.D.

Principal

Date 13.05.2022

Vijayawada.

To  
The Director,  
CSIR-IICT,  
Tarnaka, Hyderabad,  
Telangana – 500007.

**Subject:** Request letter for seeking permission to visit students in CSIR-IICT

Respected Sir,

With due respect, I am Dr. K. Bhagya Lakshmi, working as Principal in SRR and CVR Government Degree College (A), Vijayawada. Our college is reputed at providing quality education in the various courses to students. I am writing this letter to humbly request you to allow our college M.Sc. students to visit your prestigious institute. Our academic curriculum focuses on engaging students in practical experiences to observe the implementation of what they are taught in institute. We believe that your institute will give our students relevant knowledge during this visit.

A group of Twenty five students of M.Sc. and Four faculty members intend to participate in this Research institute visit during June 10<sup>th</sup> to 20<sup>th</sup> June, 2022. Therefore I request you to kindly allow our students for **two days** to visit the premises on the above-mentioned dates. Hoping to receive a quick and positive response.

Thanking you sir.

Yours sincerely,

*(Signature)*  
13.5.2022  
(Dr. K. Bhagya Lakshmi)  
PRINCIPAL  
SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA-4.

**Date is finalised on 20.06.2022**

----- Forwarded Message -----

From: Sanjay B.D. <bdsanjay@iict.res.in>

To: srrandcvr@gmail.com

Cc: Malapaka Chandrasekharam

<csmalapaka@iict.res.in>

Sent: Thu, 16 Jun 2022 12:43:26 +0530

(IST)

Subject: Visit on 20/06/2022

Dear Madam/Sir,

As per the instructions of DIICT and the present COVID situation, you are instructed to check the same and visit us on - 20/06/2022 or please cancel the visit. Request you to confirm the same.

Regards,

Dr Sanjay

**Request mail to avail canteen facilities**

[S.R.R. & C.V.R. GDC \(A\), Vijayawada](#)

**Dept. of Chemistry**

**“Field Visit to CSIR-IICT, Tarnaka, Hyderabad,T.S. on 20.06.2022”**

List of students Coming to Field trip from I M.Sc ( Organic Chemistry) on 20.06.2022

| S.No | Name of the student | Gender | Group                 |
|------|---------------------|--------|-----------------------|
| 1.   | T.Manoj Kumar       | M      | 1 <sup>st</sup> -M.Sc |
| 2    | K.Bharath Kumar     | M      | 1 <sup>st</sup> -M.Sc |
| 3    | A.Mahesh            | M      | 1 <sup>st</sup> -M.Sc |
| 4    | D. Siva Sankar      | M      | 1 <sup>st</sup> -M.Sc |
| 5    | B. Naga Raju        | M      | 1 <sup>st</sup> -M.Sc |
| 6    | Shaik Faridunnisa   | F      | 1 <sup>st</sup> -M.Sc |
| 7    | R.Devi              | F      | 1 <sup>st</sup> -M.Sc |
| 8    | B. Lakshmi          | F      | 1 <sup>st</sup> -M.Sc |
| 9    | J. Sri Lakshmi      | F      | 1 <sup>st</sup> -M.Sc |
| 10   | D.V. Naga Rani      | F      | 1 <sup>st</sup> -M.Sc |
| 11   | D. Pavani           | F      | 1 <sup>st</sup> -M.Sc |
| 12   | G. Anusha           | F      | 1 <sup>st</sup> -M.Sc |

|    |                  |   |                       |
|----|------------------|---|-----------------------|
| 13 | K. Koteswari     | F | 1 <sup>st</sup> -M.Sc |
| 14 | Ch. Prasanna     | F | 1 <sup>st</sup> -M.Sc |
| 15 | P. Maneesha      | F | 1 <sup>st</sup> -M.Sc |
| 16 | K. Swarna Kumari | F | 1 <sup>st</sup> -M.Sc |
| 17 | L. Kavya         | F | 1 <sup>st</sup> -M.Sc |
| 18 | N. Satyanvesh    | M | 1 <sup>st</sup> -M.Sc |
| 19 | S. Surendra      | M | 1 <sup>st</sup> -M.Sc |
| 20 | V. Gopi          | M | 1 <sup>st</sup> -M.Sc |
| 21 | K. Arjun         | M | 1 <sup>st</sup> -M.Sc |
| 22 | M. Kartik Raju   | M | 1 <sup>st</sup> -M.Sc |

Total no. of Students:22 :: Girls: 12 , Boys:10 accompanied by

2 Faculty members: Dr. K.Nallapa Reddy, Dept of Chemistry  
 Dr.M.Malyadri , Dept of Chemistry  
 Ms.P.Krupani, Dept of Chemistry  
 Mrs. Kusama ( Non Teaching Staff)

### Dept. of Chemistry - Field visit on 20.06.2022



**Field visit at Glance:** During this visit, Dr. B.D.Sanjay, Principal scientist, explained in very elaborated manner the following issues.

- ❖ How do you do mass spectrometry ?
- ❖ What are the 5 Process of Mass Spectroscopy ?
- ❖ What can HPLC Detect ?
- ❖ What is the principal of the HPLC ?
- ❖ Why oxygen is not used is gas Chromatography?
- ❖ Which Solve is best for NMR ?
- ❖ Which Solvent Cannot be used in NMR ?
- ❖ What is the basic principal of UV Spectroscopy ?



A brief introduction of HPLC & MASS Spectroscopy of CSIR-IICT given by **Dr. B.D. Sanjay** and student interactive session with her.



- ❖ Determination of different instrumental techniques like Mass Spectroscopy , HPLC, UV GAS Chromatography NMR & UV Spectroscopy Methods.



Explaining Different methods of instrumental techniques

## Acknowledgements:

- ✚ We sincerely thank our beloved principal mam, **Dr. K. Bhagyalakshmi garu** for her kind cooperation, guiding us in planning the tour and especially for her suggestions in systemising the transportation facility.
- ✚ We extend our heartfelt thanks to **Dr. V.Srinivasa Rao, HOD** , Lecturer in chemistry for suggesting and sharing the eminence of CSIR-IICT.
- ✚ Our thanks and appreciations to **Mr. Ch.Ganesh, IInd M.SC student** for his active involvement in arranging the bus & Train.
- ✚ Our whole hearted thanks to our colleagues in chemistry dept., all the students and CSIR-IICT team , who took part in this tour.

Feedback has been collected via google form. Students have given a satisfactory feed back this field visit.

1. Dr. V. Srinivasa Rao, HoD, Dept. of Chemistry
2. Dr, M. Malyadri, Dept of Chemistry
3. Dr. K. Nallapa Reddy Dept of Chemistry

# S.R.R & C.V.R. GDC (A) – Vijayawada

## Dept. of Chemistry

### Field visit to ICAR – IIOPR (Indian Institute of Oil Palm Research) – Pedavegi, A.P. on 07.06.2022

Prepared by Dr. Sk. Beebi

We the dept. of Chemistry, arranged an educational field visit to IIOPR, on 07.06.2022 for II B.Sc. Chemistry students. ICAR-IIOPR is one of the Indian Agricultural Research Institute meant for Palm oil research, Popularly Known as **Indian Institute of Oil Palm Research**, located at Pedavegi, West Godavari dt. A.P. In this programme.

The programme is coordinated by **Dr. Sk. Beebi** lecturer in Chemistry, along with Head of the Dept. of Chemistry **Dr. V. Srinivasa Rao** under the guidance of the College principal **Dr. K. Bhagya Lakshmi** and other faculty members of chemistry dept. 45 students of II B.Sc, (M.P.C, M.B.C, M.C.CS, B.Z.C) participated in this programme.

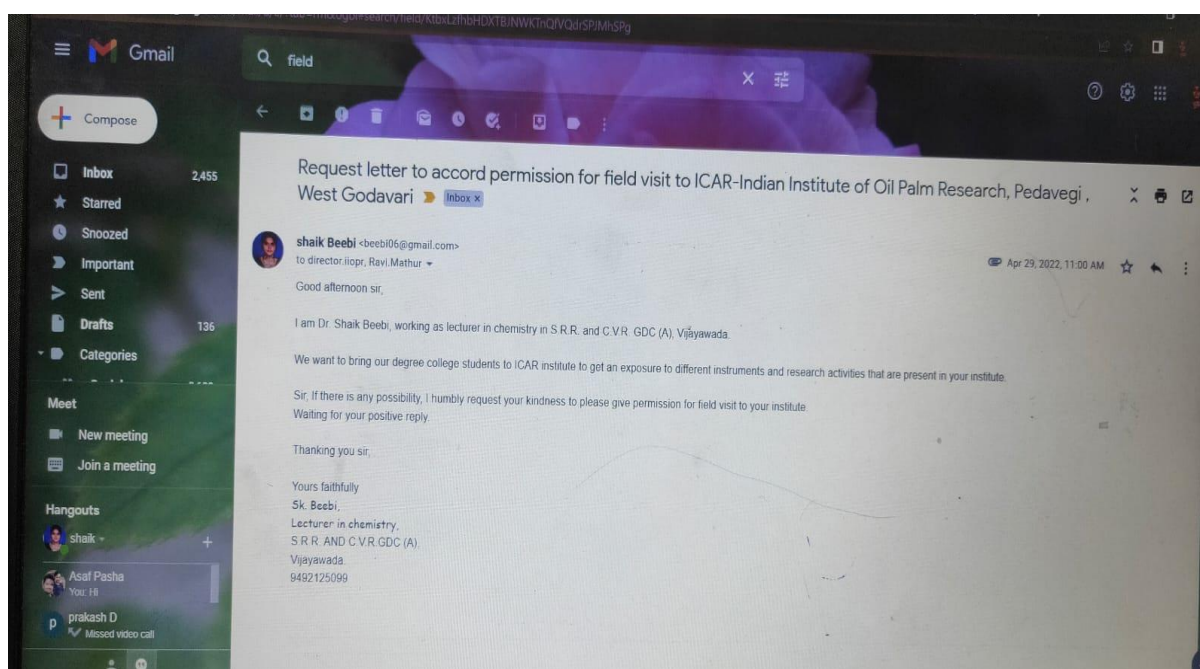
#### Objective of this visit:

Prime objective of this tour is inculcation of scientific thinking among the students. IIOPR is one and only research institute of palm oil located in India.

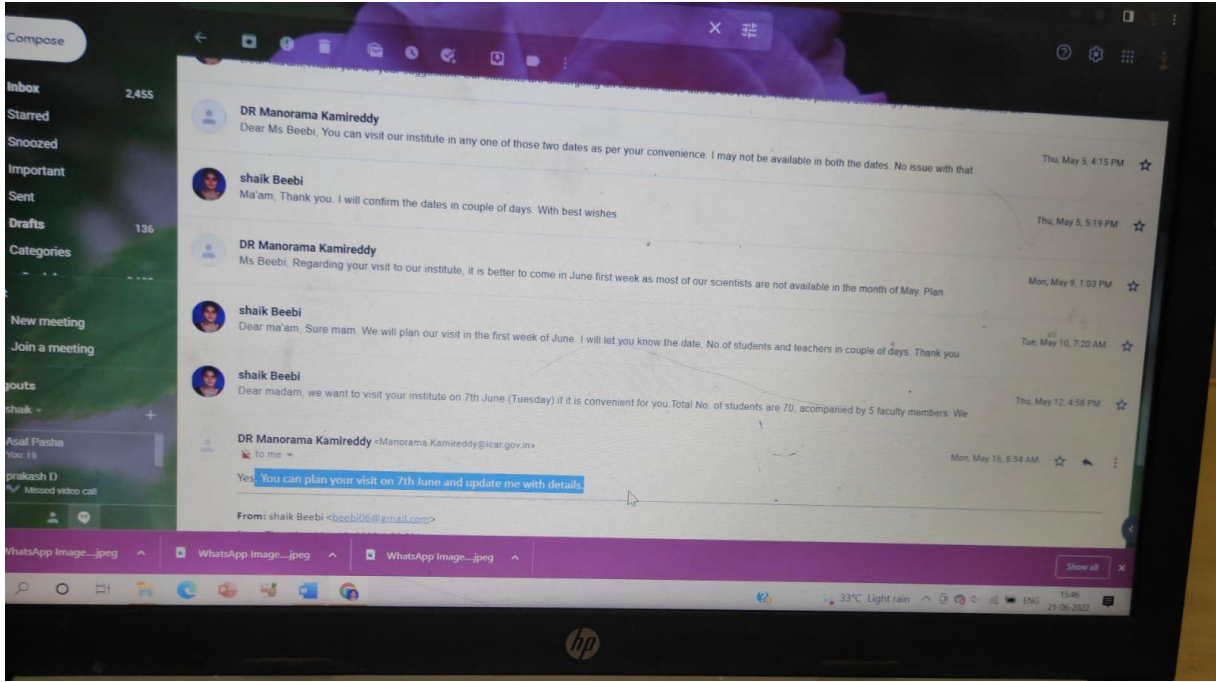
- Knowing and observing how research is done in this institute would help the students to **frame the basic idea of how the chemistry knowledge that they acquired in graduation would help to do the research.**
- To know the various job opportunities in research institutes.
- To develop friendly relation among the peer members of students and with teachers



**Planning of the tour:** Proper planning and management made our tour a fruitful one. We have taken the permission from the director of IIPOR and he accepted our invitation and assigned **Dr. Manorama** Mam for planning the tour. Finalising the dates and permission to utilise the canteen facilities is accorded through proper correspondence.



Request letter for visit permission



**Further correspondence to finalise the time and date**



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Cell : 9848251236 Ph : 0866-2430060, Fax : 0866-2441092, www.srrcvr.ac.in srrandcvr@gmail.com



*Dr. K. Bhagya Lakshmi*, M.Sc., M.Phil, Ph.D.  
Principal

Date .....

To  
The Director,  
ICAR – Indian Institute of Oil Palm Research,  
Pedavegi- West Godavari,  
Andhra Pradesh.

29.04.2022

**SUB: Request to accord permission to field visit to ICAR-Indian Institute of Oil Palm Research, Pedavegi, West Godavari for B.Sc - Chemistry students of SRR & CVR GDC(A), Vijayawada, Regarding.**

Dear Sir,

This is a request letter to seek your kind permission to field visit to ICAR-Indian Institute of Oil Palm Research, Pedavegi, West Godavari for **Chemistry students of SRR & CVR GDC(A), Vijayawada**. As a part of Co-curricular activity, field trips

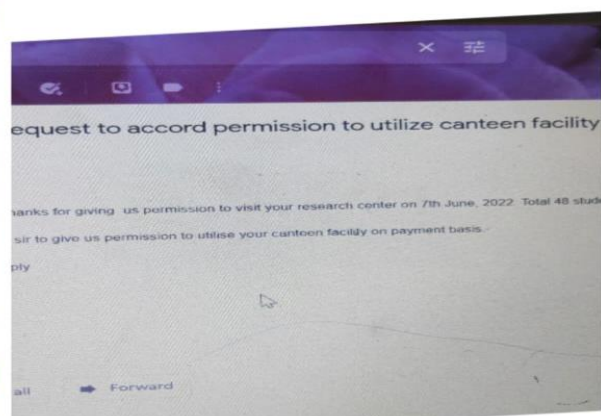
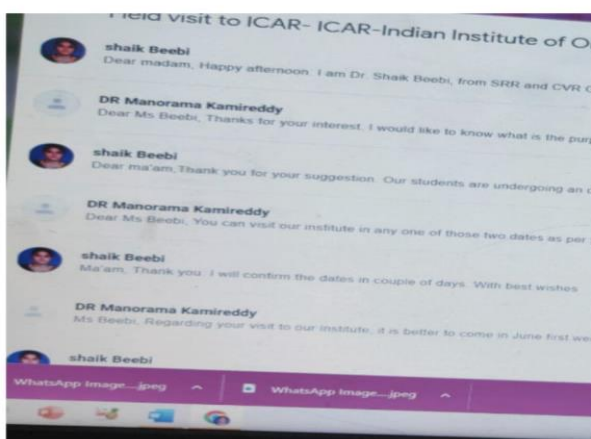
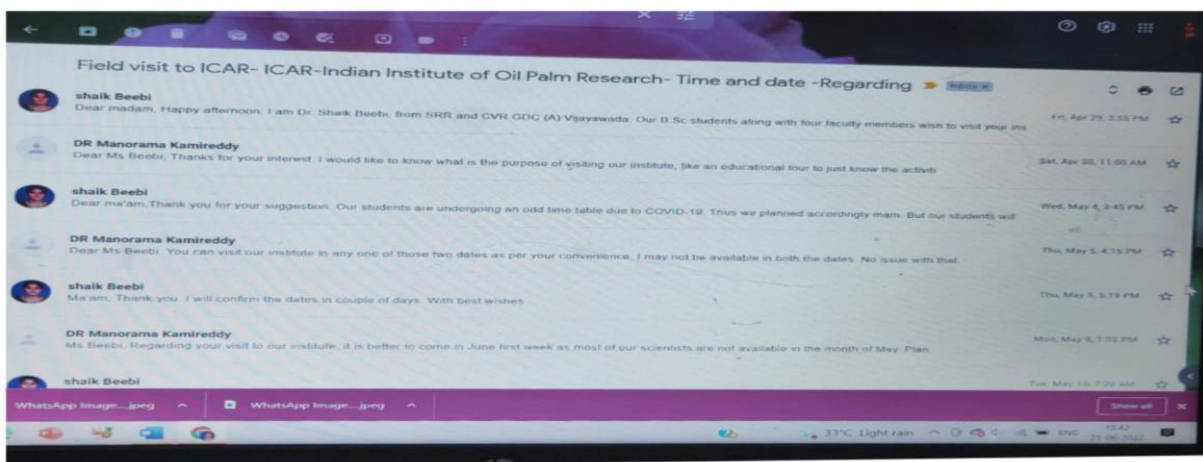
help the students to enhance their critical thinking skills and they would have real world experiences.

As your institute is one of the pronounced national research institutes for oil palm, Students would get exposure to the different processes and techniques in extracting of oil from palm trees. In this regard, we humbly request you sir to kindly permit the students to field visit to your institute. In this connection, we are pleased to introduce SRR & CVR Govt Degree College (A), a premier institute of central Vijayawada.

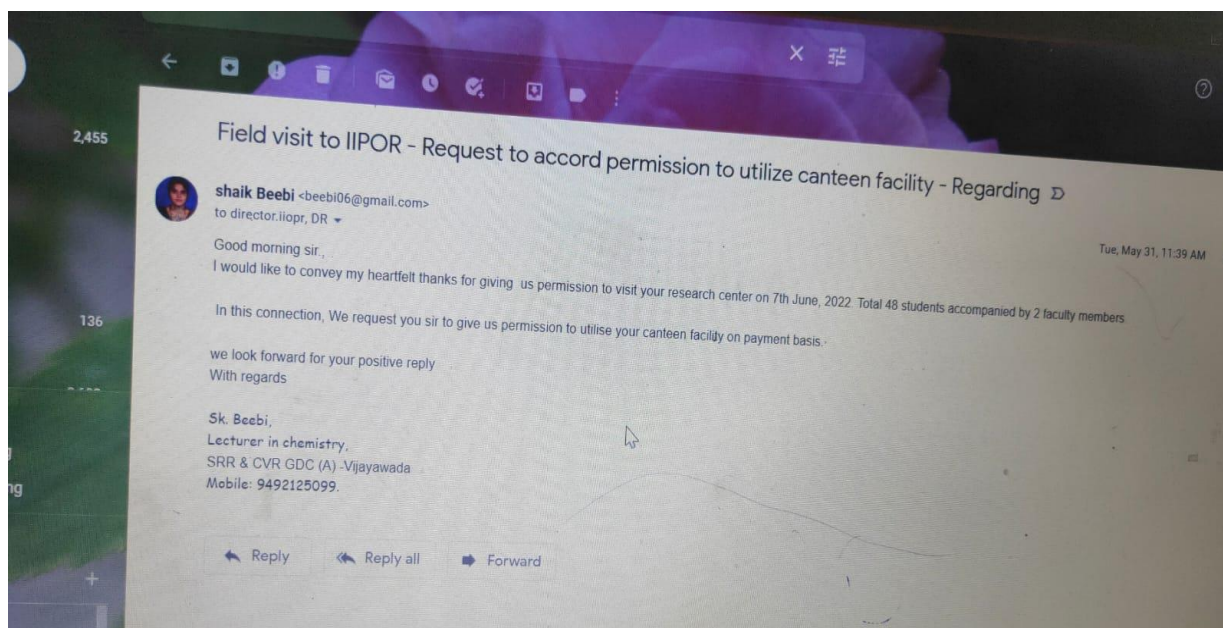
The total number of students will be around 60, accompanied by four faculty members. We assure that our students will strictly follow your guidelines. We request you to grant permission. We highly appreciate your acceptance.

Thank you.

We look forward to your positive response.



**Date is finalised on 07.06.2022**



**Request mail to avail canteen facilities**

S.R.R. & C.V.R. GDC (A), Vijayawada

**Dept. of Chemistry**

**“Field Visit to ICAR-IIPOR, Pedavegi , West Godavari dt. on 07.06.2022”**

List of students Coming to Field trip from II B.Sc on 07.06.2022

| S.No | Name of the student | Gender | Group |
|------|---------------------|--------|-------|
| 1.   | Rajya Lakshmi       | F      | M.B.C |
| 2    | Muthyam             | F      | M.B.C |
| 3    | Bhanu Teja          | F      | M.B.C |
| 4    | Tejaswi             | F      | M.B.C |
| 5    | Nagalakshmi         | F      | M.B.C |
| 6    | Sai Prasanna        | F      | M.P.C |
| 7    | Stephen             | M      | M.P.C |
| 8    | Manikanta           | M      | M.P.C |
| 9    | Manish Varma        | M      | M.P.C |
| 10   | Vijayasri           | F      | M.P.C |
| 11   | S. Srikanth         | M      | M.P.C |
| 12   | P.Samuel Raj        | M      | M.P.C |
| 13   | Bhanu Prakash       | M      | M.P.C |
| 14   | A.Bala Subrahmanyam | M      | M.P.C |
| 15   | N. Sunil            | M      | M.P.C |
| 16   | P.Lokesh            | M      | M.P.C |

|    |                   |   |        |
|----|-------------------|---|--------|
| 17 | K.Chandra Shekhar | M | M.P.C  |
| 18 | Varun             | M | M.P.C  |
| 19 | G.V. Goi Raj      | M | M.P.C  |
| 20 | Sasikanth         | M | M.P.C  |
| 21 | Rajesh Raddy      | M | M.P.C  |
| 22 | Hemanth           | M | M.P.C  |
| 23 | Sai               | M | M.P.C  |
| 24 | K. Kiran Kalyan   | M | M.P.C  |
| 25 | V. Adarsh Kumar   | M | M.P.C  |
| 26 | J. Narendra       | M | M.P.C  |
| 27 | Mahesh            | M | M.P.C  |
| 28 | Mahima            | F | M.P.C  |
| 29 | M.Devadinesh      | M | M.P.C  |
| 30 | K.Aditya Raju     | M | M.P.C  |
| 31 | Lakshmi Prasanna  | F | M.P.C  |
| 32 | J Sateesh         | M | M.P.C  |
| 33 | Lochan Sai        | M | B.Z.C  |
| 34 | Mounika           | F | B.Z.C  |
| 35 | Hema Sri          | F | B.Z.C  |
| 36 | K. Abhishek       | M | B.Z.C  |
| 37 | Y. Jagadeesh      | M | B.Z.C  |
| 38 | Sk. Baji          | M | B.Z.C  |
| 39 | G. Sai Kumar      | M | M.C.CS |
| 40 | Nagaraju          | M | M.C.CS |

Total no. of Students: 40 :: Girls: 11 , Boys: 29 accompanied by

2 faculty members: Dr. V. Srinivasa Rao HOD, Chem.  
Dr. Sk. Beebi, Dept. of Chemistry

**Dept. of Chemistry - Field visit on 07.02.2022**



**Field visit at Glance:** During this visit, Dr. K. Manorama, Principal scientist, explained in very elaborated manner the following issues.

- ❖ what is the need of this palm oil research in India?
- ❖ What are the suitable conditions to grow palm oil farms?
- ❖ How is the soil analysed for best growth of palm trees?
- ❖ How do they analyse the growth of palm trees by looking at quality of leaves?
- ❖ What are minerals and elements needed for growth of palm trees.



A brief introduction of Vision and Mission of IIOPR given by **Dr. Manorama, Principal scientist** and student interactive session with her.



ari, Andhra Pradesh, India  
da Vegi Saibaba Temple Road, Andhra Pradesh  
PM



R46J+VVR, Pedavegi, Andhra Pradesh 534475, India  
Pedavegi  
Andhra Pradesh  
India  
2022-06-07(Tue) 12:12(pm)



West Godavari, Andhra Pradesh, India  
R46J+RR8, Pedda Vegi Saibaba Temple Road, Andh  
Lat 16.812073°  
Long 81.13219°  
07/06/22 12:40 PM



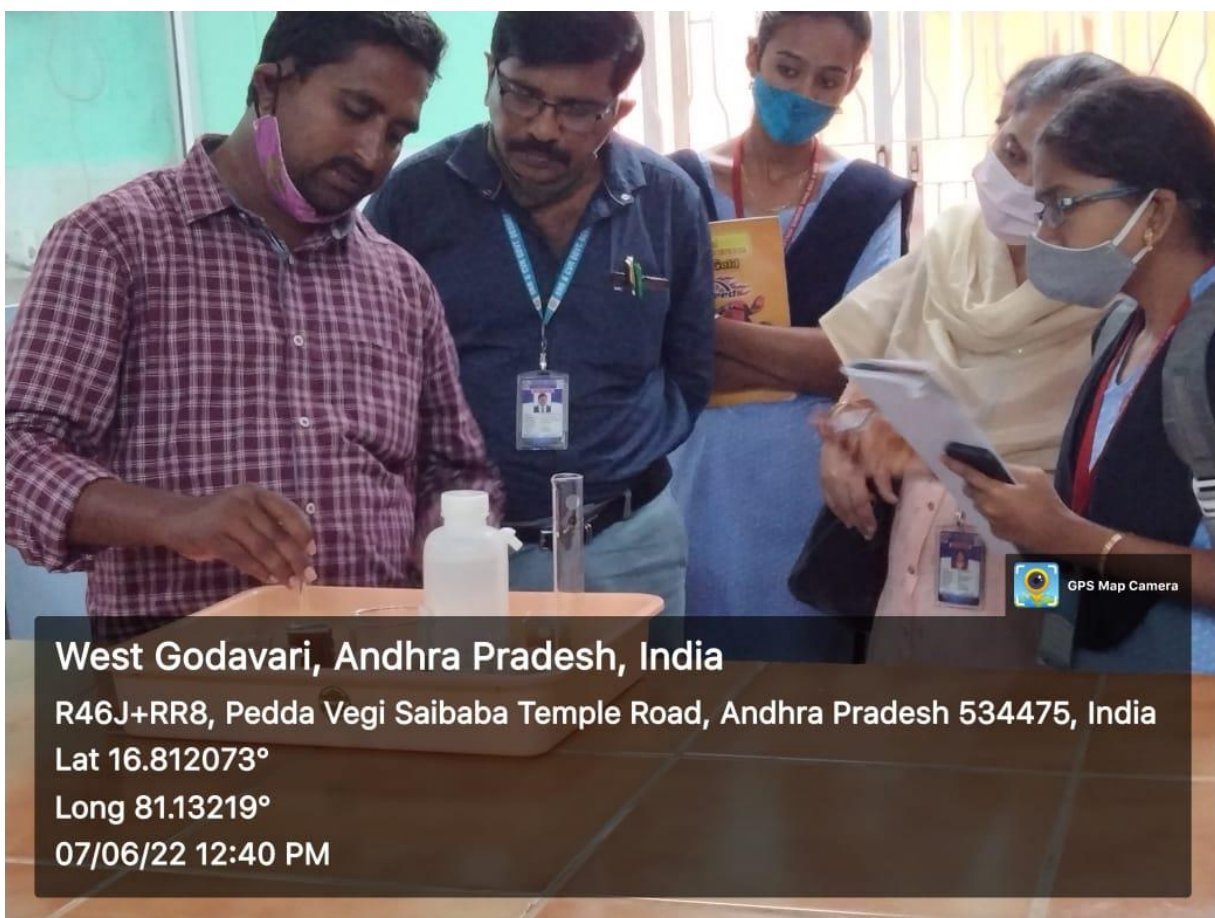
West Godavari, Andhra Pradesh, India  
R46J+RR8, Pedda Vegi Saibaba Temple Road, Andhra Pradesh 534475, In  
Lat 16.812073°  
Long 81.13219°  
06/22 12:38 PM

Mr. Venkateswara Rao , lab analyst illustrated the instrumentation in soil and leaf analysis lab.

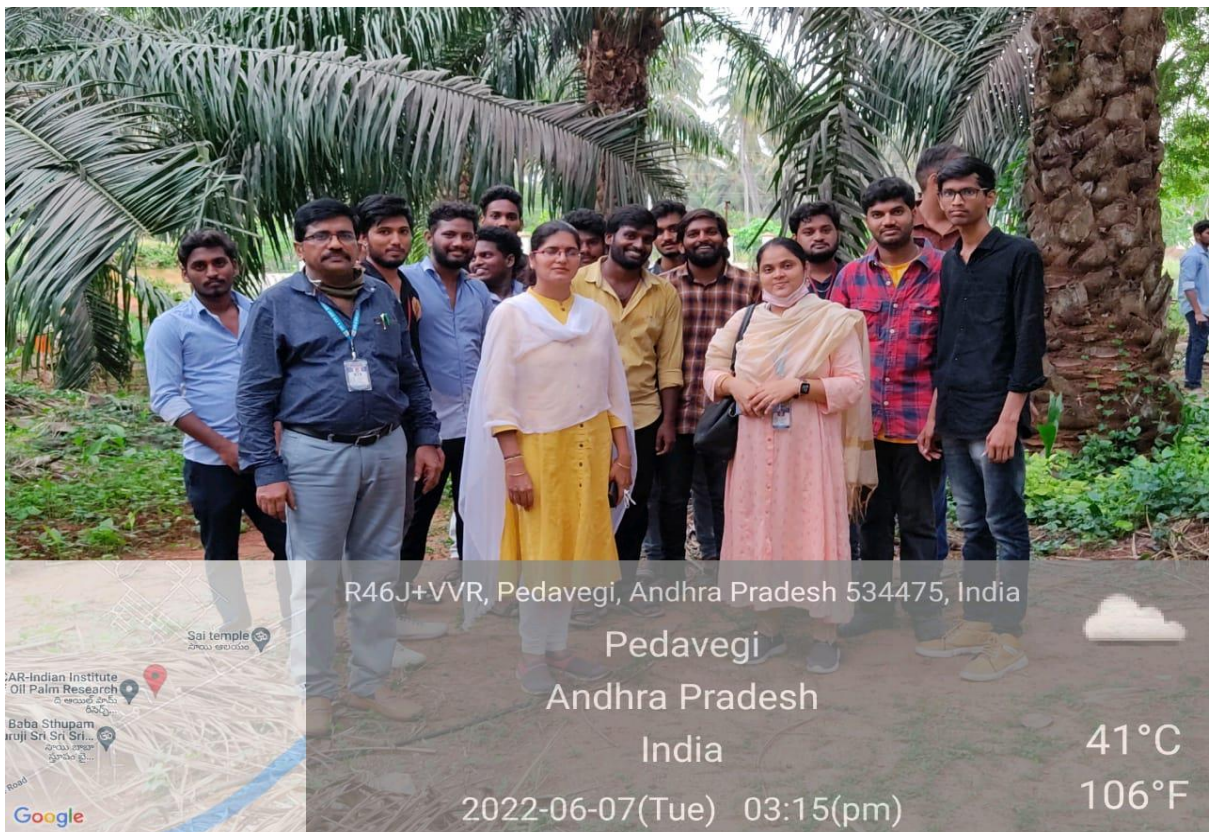
- ❖ Determination of N, P, K, B and Mg content in the soil by different instrumental techniques like spectrometers, conductometers, kjeldhal and titration methods.



Explaining how soil samples are prepared for quality analysis

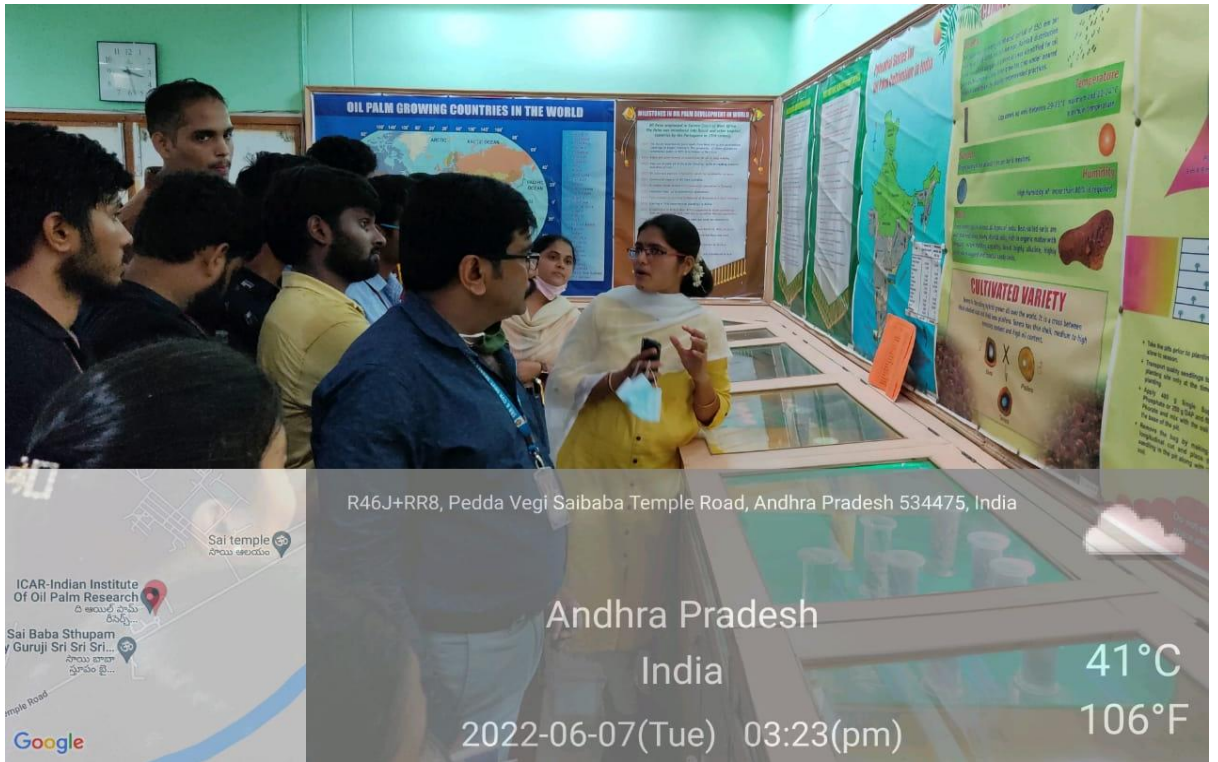


**Preparing soil suspension for conductometric determination**



**Dr. Bhagya, Scientist , explained the in field requirements of oil palm trees**

Later students were taken to museum, where various plant parts, seeds and all the bi products made of palm extracts are preserved



Museum- IIOPR, Pedavegi

Students felt very happy and they have an interaction session with scientist of IIOPR at the end.



**క్షేత్ర పర్యటన** మాచవరంలోని ఎస్సార్ రార్ అండ్ సీఏఆర్ ప్రభుత్వ డిగ్రీ కళాశాల రసాయనశాస్త్ర విభాగం ఆద్య ర్థంలో డీఎస్సీ ద్వితీయ సంవత్సరం విద్యార్థులను ఏలూరు జిల్లా పెదవేగిలోని ఐసీఎఆర్-ఐఐపీఆర్ (ఐసీ ఎఆర్-ఐండియన్ కౌన్సిల్ ఆఫ్ అగ్రికల్చర్ రీసెర్చ్- ఇండి యన్ ఐన్స్టిట్యూట్ ఆఫ్ ఆయిల్ పామ్ రీసెర్చ్)కు క్షేత్ర సందర్శనకు మంగళవారం తీసుకెళ్ళామని రసాయనశాస్త్ర విభాగాధిపతి డాక్టర్ వి.శ్రీనివాసరావు తెలిపారు. ఐఐపీ ఆర్ శాస్త్రవేత్త డాక్టర్ కె.మనోరమ విద్యార్థులకు పామ్

ఆయిల్ సాగు, విశిష్టతపై అవగాహన కల్పించారని చెప్పారు. మట్టి, పామ్ ఆయిల్ పై పరిశోధనలు వివరించారు. 45 మంది విద్యార్థులు, డాక్టర్ ఎస్కే డీబి పాల్గొన్నారు. - న్యూస్టుడే, మాచవరం

Date : 08/06/2022 EditionName : ANDHRA PRADESH( AMARAVATI NTR ) PageNo :

**Media coverage of the tour on 07.06.2022 in EENADU**

## Acknowledgements:

- ✚ We sincerely thank our beloved principal mam, **Dr. K. Bhagyalakshmi garu** for her kind cooperation, guiding us in planning the tour and especially for her suggestions in systemising the transportation facility.
- ✚ We extend our heartfelt thanks to **Dr. Sd. Vazeeha Tahassen**, Lecturer in biochemistry for suggesting and sharing the eminence of ICAR- IIOPR.
- ✚ Our special thanks to **Dr. P. Balasubramanyam** garu, Lecturer in political science for his association in arranging the transportation facility.
- ✚ Our thanks and appreciations to **Mr. Sk. Karimulla, II B.A student** for his active involvement in arranging the bus.
- ✚ Our whole hearted thanks to our colleagues in chemistry dept., all the students and IIOPR team , who took part in this tour.

Feedback has been collected via google form. Students have given a satisfactory feedback this field visit.

1. Dr. V. Srinivasa Rao, HoD, Dept. of Chemistry
  
2. Dr, Sk. Beebi, Lecturer in Chemistry

**SRR & CVR GOVT. DEGREE COLLEGE (A) VIJAYAWADA**  
**DEPARTMENT OF MICROBIOLOGY**



**Field Visit (Bio fertilizer Unit: *Azolla*)**

**Krishi Vigyan Kendra, Ghantasala, Krishna (Dist.)**

**07<sup>th</sup> March 2022**



**Field Visit to Bio fertilizer Unit, Krishi Vigyan Kendra, Ghantasala, Krishna (Dist.)**

**SRR & CVR GOVT DEGREE COLLEGE (a), VIJAYAWADA**  
**DEPARTMENT OF MICROBIOLOGY**

To  
The Principal  
SRR & CVR Govt. Degree College (A)  
Vijayawada  
Machavaram  
Andhra Pradesh

Respected Madam,

Sub: - Department of Microbiology- Student Internship/Training programme - KVK, Ghantasala- Permission –Request – Regarding.

I submit to inform that the department of Microbiology has been planned 7 days student training programme /Internship on “Scientific Beekeeping” in association with Krishi Vigyan Kendra, Ghantasala, Krishna (Dist.), is one of the best organizations under National Bee Board (NBB) of Ministry of Agriculture, Hyderabad to be scheduled from 28<sup>th</sup> to 7<sup>th</sup> March 2022. Since our students have industrial production, sources of Food spoilage and Food Preservation in their syllabus in the Course “Food and Industrial Microbiology” and field visit is a part of curriculum. I further inform that the host institute will provide TA, DA and Certification to the participants. Hence I request you to kindly permit 20 BSc (III & II MBC & MBF) students to attend training programme and teaching staff of Dr. D. Jyothi and Dr .K. Aruna, Department of Microbiology and kindly consider my absence as on-duty.

Thanking you Madam,

Yours Sincerely

1. Dr. D. Jyothi  
22/02/2022

2. Arul  
(Dr. K. ARUNA)  
22/2/2022

List of Enclosures:

1. List of Students

22.2.2022

# SRR & CVR GOVT. DEGREE COLLEGE (A), VIJAYAWADA

## DEPARTMENT OF MICROBIOLOGY

### Field Visit - Bio fertilizer Unit: Azolla

Krishi Vigyan Kendra, Ghantasala, Krishna

7<sup>th</sup> March 2022

#### LIST OF STUDENTS ATTENDED:

| S.NO | Name of the Student  | Class       | Signature            |
|------|----------------------|-------------|----------------------|
| 1    | J. Chandini Priya    | III BSc MBC | J. Chandini Priya    |
| 2    | P. Sadhika           | III BSc MBC | P. Sadhika           |
| 3    | V. Rameswar Reddy    | III BSc MBC | V. Rameswar Reddy    |
| 4    | T. Durga Amal Prasad | III BSc MBC | T. Durga Amal Prasad |
| 5    | P. Ravi Teja         | III BSc MBC | P. Ravi Teja         |
| 6    | J. Venkateswaralu    | III BSc MBC | J. Venkateswaralu    |
| 7    | K. Kinnera           | III BSc MBC | K. Kinnera           |
| 8    | G. Gopal Rao         | III BSc MBC | G. Gopal Rao         |
| 9    | K. Vaghdhan Babu     | III BSc MBC | K. Vaghdhan Babu     |
| 10   | B. Aaron Wesley Paul | III BSc MBC | B. Aaron Wesley Paul |
| 11   | Ch. Ramdevu          | III BSc MBC | Ch. Ramdevu          |
| 12   | T. Bharathi          | III BSc MBC | T. Bharathi          |
| 13   | T. Teja              | III BSc MBC | T. Teja              |
| 14   | V. Vasanth Srinivas  | II BSc MBF  | V. Vasanth Srinivas  |

#### FACULTY ATTENDING:


|   |                  |                                   |
|---|------------------|-----------------------------------|
| 1 | Dr. D. Jyothi    | IN-CHARGE , DEPT. OF MICROBIOLOGY |
| 2 | Dr. Kopuri Aruna | LECTURER IN MICROBIOLOGY          |

PRINCIPAL

# SRR & CVR GOVT. DEGREE COLLEGE (A) Vijayawada

## Department of Microbiology

### Activity Register 2021-2022

|   |   |
|---|---|
| Date  | 07-03-2022  |
| Conducted through<br>(DRC/JKC/ELF/NCC/NSS/Departments etc.) | <b>Department of Microbiology</b>   |
| Nature of Activity(Seminar/Workshop/Extn. Lecture etc.,)    | <b>Field Visit</b>  |
| Title of the Activity                                       | Field Visit to Bio fertilizer Unit, <b>Krishi Vigyan Kendra, Ghantasala, Krishna (Dist.)</b>  |
| Name of theDepartment/Committee                             | Department of Microbiology  |
| No. of students participated                                | 13 III BSc MBC  |
| Brief Report on the activity                                | <p>The Department of Microbiology has Organized Field Visit to Bio fertilizer Unit, <b>Krishi Vigyan Kendra, Ghantasala, Krishna (Dist.)</b> for III BSC MBC on March 7<sup>th</sup> 2022. Azolla is Bio fertilizer to Improve Soil Fertility. Most of the nitrogen fixed becomes available to rice only after the azolla has decomposed, although a small amount of ammonium is released into the water by azolla during growth. During decomposition, organic nitrogen is mineralized rapidly during the first two weeks and then at a more gradual rate Nitrogen is released mainly in the form of ammonium. The participants understood significance of biological nitrogen fixation under field conditions. Dr .D .Jyothi, In Charge Dept of Microbiology and Dr. Kopuri Aruna, Dept of Microbiology accompany the students.</p> |
| Name of the Lecturers who Planned & conducted the activity  | Dr .D .Jyothi and Dr. Kopuri Aruna  |
| Signature of the In- Charge                                 |   |
| Signature of the Principal                                  |   |



### Azolla's cultivation, III BSc (MBC) March 07<sup>th</sup> 2022

- Nitrogen is one of the most essential elements needed by plants for their growth and azolla's high nitrogen content makes it an ideal biofertilizer.
- Although nitrogen is abundant in the earth's atmosphere, few plants are able to assimilate nitrogen directly from the atmosphere and most plants obtain their nitrogen from complex compounds in the soil.
- In order to feed the world's population we are locked into an artificial chemical process that has numerous detrimental effects on the Earth System.
- Less than half of the nitrogen provided by chemical fertilizers are utilized by plants and the remaining nitrogen leaches into the soil and freshwater bodies where it causes enormous damage to wildlife.
- Runoff into the oceans also causes marine plankton to multiply in enormous quantities resulting in 'blooms' and 'red tides', but the billions of plankton deplete the oxygen, causing mass mortality of the plankton and other marine life. T
- Chemical fertilizers also contribute to greenhouse gases as the unabsorbed nitrogen fertilizer volatilizes as nitrous oxide – a greenhouse gas that is 200 to 300 times more effective in trapping heat than carbon dioxide.
  
- Indian agriculture has become chemical agriculture in which numerous chemicals like insecticides, herbicides, and commercial fertilizers are being used for producing crops. Due to these major microbial populations eliminated from soil and rhizosphere is getting polluted. Biofertilizers play an important role in improving soil fertility and boosting crop yields.
  
- Azolla's traditional cultivation as a bio-fertilizer for wetland paddy (due to its ability to fix nitrogen), Azolla is finding increasing use for sustainable production of livestock feed. Azolla is rich in proteins, essential amino acids, vitamins, and minerals.

- It is a fast-growing **aquatic pteridophyte** that forms a symbiotic relationship with the Blue-Green Algae *Anabaena azollae* to fix atmospheric nitrogen. *Azolla* is a nitrogen-fixing plant.

## **ACKNOWLEDGEMENTS**

We express our deep sense of gratitude to Dr. K. Bhagya Lakshmi, Principal SRR & CVR Govt. Degree College Autonomous, and Vijayawada for her support and constant encouragement to upgrade the knowledge and skills of students.

We wish to express my sincere thanks to Dr. K. Jhansi, Programme Coordinator, KVK, Ghantasala to visit the Bio fertilizer (*Azolla*) Unit.

D. Jyothi  


PRINCIPAL



### **III BSc Microbiology, 2021-22**

**Field Visit to Bio fertilizer Unit: *Azolla***

**Krishi Vigyan Kendra, Ghantasala, Krishna (Dist.)**

**07<sup>th</sup> March 2022**

**Field Visit to Bio fertilizer Unit: Azolla**  
**Krishi Vigyan Kendra, Ghantasala, Krishna (Dist.)**





# SRR & CVR GOVT. DEGREE COLLEGE (Autonomous)

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Institution is ranked by NIRF 101 - 150 band at NIRF - 2020



S.R.R. & C.V.R. Govt Degree College (A)  
Mahavaram, Vijayawada.

Vijayawada  
28-3-2022

Respected Principal Madam .

Subject - Requesting permission to Philosophy Department for organizing a field trip with the students to 'Amaravathi', regarding;

It is to submit that the Department of Philosophy wish to organize a field trip with the students to 'Amaravathi' for viewing Boudhasaamaas and 'Boudhastupa' which enables students to enrich knowledge with regard to Buddhist Philosophy.

In this context, I request you to kindly permit me to organize a field trip 'Amaravathi' on 8.04.2022.

Thanking you Madam .

G.Viswa Rani  
Dept of Philosophy

8.4.2022

| S.No | Name of the Student   | Signature of the Student |
|------|-----------------------|--------------------------|
| 1.   | A. Praveen Kumar      | A. Praveen Kumar         |
| 2.   | SK. Eesob             | SK. Eesob                |
| 3.   | K. Parath Kumar       | K. Parath Kumar          |
| 4.   | Ch. Veeranjanyulu     | Ch. Veeranjanyulu        |
| 5.   | N. Purna Rajeswari    | N. Purna Rajeswari       |
| 6.   | P. Ravi Kumar         | P. Ravi Kumar            |
| 7.   | P. Sai Kumar          | P. Sai Kumar             |
| 8.   | K. Anjaneyulu         | K. Anjaneyulu            |
| 9.   | H. Seetharamaiah naik | H. Seetharamaiah naik    |
| 10.  | K. Manasa             | K. Manasa                |
| 11.  | S. Sravani            | S. Sravani               |
| 12.  | Srikanta              | Srikanta                 |
| 13.  | Jyothsna              | Jyothsna                 |
| 14.  | Seshu                 | Seshu                    |
| 15.  | shalom Rayin          | shalom Rayin             |
| 16.  | Sai                   | Sai                      |
| 17.  | venkatesh             | venkatesh                |
|      |                       |                          |
|      |                       |                          |
|      |                       |                          |
|      |                       |                          |
|      |                       |                          |

Blasius  
5-4-2024

## Department of Philosophy

The department of Philosophy students visited Amaravathi as part of field visit on 8<sup>th</sup> April 2022. 17 students of 2<sup>nd</sup> and 3<sup>rd</sup> years of philosophy department participated in the field visit. On the field visit the students visited the Amaralingeswara swamy Temple and learned about the historical importance of the temple. Later visited the Dhyana Buddha statue and learned the life history of Buddha life. Later the students visited the Undavalli Caves and the history of the caves was known the sculptures reflected the life history of Buddha. The students gained knowledge about the history of Hinduism and the life of Buddha and history of Undavalli Caves.



18 November 2021

Field Trip

Bapu Museum

The department of Politics & Pub Adm. has arranged a local trip to Bapu museum. 2nd and 3rd BA students visited the museum and were enlightened to see Mahatma Gandhi statue and his freedom struggle activities. Nearly 63 students from all B.A groups attended, Dr.DSVS.Balasubrahmanyam, B. Prakasam, K. Ajay Babu, and N.Narasimha Rao, Miss N. Mounika Sai accompanied the students.

This is the first museum in India, to have adopted the technology of Augmented and Virtual realities. The immersive projection mapping, interactive display panels, digital book and interactive kiosks offer a visual treat to visitors. The renovated museum houses nine galleries showcasing a rare collection of antiques, sculptures, cutlery, paintings which have been preserved for over several decades. Every artefact is digitised enabling the visitors to learn more about the rich heritage of the country. All one needs to do is touch or scan the QR code, using their smartphones to know the history and interesting facts about the artefacts present at the museum.

The historically significant Bapu Museum formerly known as Victoria Jubilee Museum, happens to be the place where the freedom fighter Pingali Venkayya presented the tricolour flag to Mahatma Gandhi in 1921. The same flag was adopted as the Indian national flag in 1947.





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EMAIL [srrandcvr@gmail.com](mailto:srrandcvr@gmail.com)



## DEPARTMENT OF BOTANY



### Field trip to Kondapalli Reserve Forest (25-09-2018)

**Faculty In- charge:**

1. Smt. D. Jyothi
2. G.V. Varalakshmi
3. V. Nagalakshmi

**Number of Participants: 20**

**Nature of Activity: Out Door**

Vijayawada,

18-09-2018.

To

The principal,

SRR & CVR GDC(A),

Vijayawada.

Respected sir,

I D.Jyothi HOD of Botany dept submit to you that we have arranged a field trip on 25-09-2018 for II & III BZC students to kondapalli forest area for taxonomical studies of the vegetation of Eastern Ghats .

I also submit that Botany dept of govt degree college-MOVVA is also associating with us in this field trip.

Hence, i kindly request you to give us permission to conduct this field trip as this is part of the curriculum.

Thanking you .

Yours faithfully,

*D. Jyothi*  
D.Jyothi

**D. JYOTHI**, M.Sc., B.Ed.,  
Lecturer in Botany,  
LECTURER IN BOTANY  
SRR & CVR Govt. Degree College  
SRR & CVR GDC (A)  
VIJAYAWADA, Krishna Dist.

Vijayawada.

## **Field Trip to Kondapalli Reserve Forest**

Field trips are meant for teaching certain topics in taxonomy as they appear naturally. Department of Botany organized a field trip to Kondapalli reserve forest on 25<sup>th</sup> September, 2018. Twenty students attended the field trip and were accompanied by three faculty members. Students of II and III year BZC were taken to Kondapalli to study various plants growing in natural environments. Accompanying faculty members helped the students all the way in identifying the plants and the explaining the importance of taxonomy. Students observed nearly 100 plants of different varieties growing in naturally in the forest. Students collected plant twigs to make herbarium for practical purpose.







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EMAIL : [srrandcvt@gmail.com](mailto:srrandcvt@gmail.com)



**Field trip to Kondapalli Reserve Forest**

**Internal Quality Assurance Cell (IQAC)**

This is to certify that the activity report (Teacher/Department) on Field trip to Kondapalli organized by Department of Botany from 25<sup>th</sup> January to 25<sup>h</sup> September, 2018 has been submitted IQAC for documentation, SRR & CVR Government Degree College(A), Vijayawada.

IQAC CO-ORDINATOR

PRINCIPAL



## STUDENT SIGNATURES AND FEEDBACK

| S.No | Date | Class   | Roll no/ Reg no | Signature        | Remarks       |
|------|------|---------|-----------------|------------------|---------------|
| 1.   |      | I BZC   | 21317207        | K. N. Nandini    | Got awareness |
| 2.   |      | II BZC  | 21317201        | A. P. D. Saritha | Use full      |
| 3.   |      | II BZC  | 21317209        | T. Lavanya       | Good          |
| 4.   |      | II BZC  | 21317205        | U. Jagadeesh     | Use full      |
| 5.   |      | II BZC  | 21317206        | T. Myudula       | Got awareness |
| 6.   |      | II BZC  | 21317242        | P. H. H. H.      | Got awareness |
| 7.   |      | II BZC  | 21317204        | Devi Nagesh      | Beneficial    |
| 8.   |      | III BZC | 20311215        | Mounika          | Beneficial    |
| 9.   |      | III BZC | 20311223        | Shakti Bai       | Useful        |
| 10.  |      | III BZC | 20311003        | P. S.            | Good          |
| 11.  |      | III BZC | 20311216        | P. S.            | Good          |
| 12.  |      | III BZC | 20311008        | P. S.            | Good          |
| 13.  |      | III BZC | 20311213        | M. Gayathri      | Good.         |
| 14.  |      | III BZC | 20311227        | P. S.            | Good          |
| 15.  |      | III BZC | 20311225        | Hema. Sri        | Good          |



02

## SRR & CVR Government Degree College (A), Vijayawada

### Activity Report on

#### Filed Trip: Identification of Algae, Fungi and Bryophyta from College Campus

Department of Botany conducted one day filed trip in SRR & CVR Government Degree College on 28<sup>th</sup> July, 2017. Fifteen students attended the field trip and were accompanied by Smt. D. Jyothi. Students collected algae mass from the wetted walls in the campus and fungi and moss plants from woody trunks. Collected samples were carefully carried to laboratory for processing and preservation. At the lab collected samples were preserved in specimen bottles using formaldehyde solution.





**SRR & CVR GOVT. DEGREE COLLEGE**  
(Autonomous)

PHONE NO - 0866-2430269  
FAX NO - 0866-2441082

NAAC 'B' Grade with 107A - 2001 - 2010 - 2013  
ISO 9001:2015 Certified  
Institution is ranked by NAAC as 'B' - 2013, 'B' as 'B' - 2016

WEBSITE - www.srrcvr.org  
EMAIL - srrcvr@rediffmail.com



## DEPARTMENT OF BOTANY



Field Trip: Identification of Algae, Fungi and Bryophyta from College Campus

(28-07-2017)

### Faculty In- charge:

1. Smt. D. Jyothi

**Number of Participants: 15**

**Nature of Activity: Out Door**



# SRR & CVR GOVT. DEGREE COLLEGE (Autonomous)



PHONE NO 0866-2440061  
FAX NO 0866-2441062

NAAC A+ Grade with CGPA 2.90 1507 1837  
ISO 9001 - 2015 Certified

WEBSITE www.srrcvr.org  
EMAIL srrandcvt@gmail.com

Registration is carried by NICEE in 151 - 200 held at NICEE - 2016

## **Filed Trip: Identification of Algae, Fungi and Bryophyta from College Campus Internal Quality Assurance Cell (IQAC)**

This is to certify that the activity report (Teacher/Department) on Field trip: Identification of Algae, Fungi and Bryophyta from College campus organized by Department of Botany on 28<sup>th</sup> July, 2017 has been submitted IQAC for documentation, SRR & CVR Government Degree College(A), Vijayawada.

IQAC CO-ORDINATOR

PRINCIPAL



STUDENT SIGNATURES AND FEEDBACK

| S.No | Date     | Class  | Roll no/ Reg no | Signature    | Remarks    |
|------|----------|--------|-----------------|--------------|------------|
| 1    | 28.07.17 | II B2C | 163174034       | K. Saiprasad | Good       |
| 2    | 29/7/17  | II B2C | 163174035       | K. Sailaja   | Satisfied. |
| 3    | 28/7/17  | II B2C | 163174036       | Pradeep.     | Good.      |
| 4    | 28.07.17 | II B2C | 163174037       | Susatha      | Useful     |
| 5    | 28.07.17 | II B2C | 163174038       | Sridhar      | Good.      |
| 6    | 28.07.17 | II B2C | 163174035       | Madhava      | Useful     |
| 7    | 28.07.17 | II B2C | 163174042       | [Signature]  | Good       |
| 8    | 28.07.17 | II B2C | 162174026       | Durgaprasad  | Good.      |
| 9    | 28.07.17 | II B2C | 163174028       | Ramakrishna  | Good       |
| 10   | 28.9.17  | II B2C | 163174020       | [Signature]  | Good.      |
| 11   | 28.9.17  | II B2C | 163174040       | Sandeep      | Useful     |
| 12   | 28.9.17  | II B2C | 163174044       | Akhila       | Good.      |
| 13   | 28.9.17  | II B2C | 163174036       | Jyothi       | Useful.    |
| 14   | 28.07.17 | II B2C | 163174046       | [Signature]  | Good       |
| 15   | 28.07.17 | II B2C | 162174027       | Deepu        | Good.      |
| 16   | 28.07.17 | II B2C | 163174030       | Nagaiah      | Useful     |





STUDENT SIGNATURES AND FEEDBACK

| S.No | Date | Class   | Roll no/ Reg no | Signature                      | Remarks       |
|------|------|---------|-----------------|--------------------------------|---------------|
| 1.   |      | I B2C   | 21317207        | K. Mohanila                    | Got awareness |
| 2.   |      | II B2C  | 21317201        | A. P. Ananthi                  | Good          |
| 3.   |      | II B2C  | 21317209        | T. Lavanya                     | Useful.       |
| 4.   |      | II B2C  | 21317209        | U. Jagadeesh                   | Useful.       |
| 5.   |      | II B2C  | 21317206        | T. Mrudula                     | Beneficial.   |
| 6.   |      | II B2C  | 21317212        | P. <del>Pr</del> <sup>Pr</sup> | Good          |
| 7.   |      | II B2C  | 21317204        | Devi Nagach                    | Got awareness |
| 8.   |      | IV B2C  | 20311205        | N. M. Manika                   | Useful.       |
| 9.   |      | III B2C | 20311223        | Shaik Baiji                    | Good.         |
| 10.  |      | III B2C | 20311003        | G. R                           | Good          |
| 11.  |      | DI B2C  | 20211216        | P. <del>Pr</del>               | average       |
| 12.  |      | III B2C | 20311213        | Gayathri                       | Good.         |
| 13.  |      | III B2C | 20211229        | <del>Pr</del>                  | Good          |
| 14.  |      | III B2C | 20311225        | Devi                           | Good          |
| 15.  |      | III B2C | 20311220        | Lochan sai                     | Useful.       |



Visit to Research Centre - Sujay Biotech  
Pvt. Ltd. - VIJAYAWADA.

09.01.2018



Final Year BZC students and faculty have visited the tissue culture Unit - Scientists have explained about Instrumentation, Hydroponics, tissue culture and culturing of animal feed.

## SRR & CVR Government Degree College

Autonomous & UGC Approved & Affiliated Institutions, Ranked No. 1000 in the National Institute Survey of 2014-15 by UGC & Accredited Institutions with Grade B+ with C.A.P. & A during March 2015  
Machilavaram, Vijayawada, Krishna District, AP-520 004



### DEPARTMENT OF BOTANY

|   |  |
|---|--|
| <b>Dates</b>  | <b>9.1.2018</b>  |
| <b>Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)</b>      | <b>Department</b>  |
| <b>Nature of activity (seminar/Workshop/Extn. Lecture etc.)</b>       | <b>Field Visit</b>   |
| <b>Title of the Activity</b>  | <b>Research Center Visit</b>   |
| <b>Name of the Department/Committee</b>                               | <b>Department of Botany</b>  |
| <b>Details of Resource Persons (Name , Designation etc., )</b>        | <b>Sujay Biotech Pvt Ltd Vijayawada Tissue culture Unit Scientists</b>   |
| <b>No of students participated</b>                                    | <b>30</b>  |
| <b>Name of the Lecturers who planned &amp; conducted the activity</b> | <b>Planned and Organized by<br/>Mrs D.Jyothi<br/>Lecturer In Charge<br/>Ms V. Nagalakshmi , Lecturer in Botany</b> |
| <b>Remarks</b>  | <b>Research Center visit was very beneficial to students</b>   |

Department of Botany SRR & CVR Govt Degree College organized a one day visit / trip to Research station on 9.1.2018.

**Motive of this program:**

- On site /Hands on exposure to students
- Incorporating Research zeal in students
- Exposing students to to practical real time Research working environment

**Tour Report :**

Students and faculty visited Sujay Biotech Pvt Ltd , Vijayawada Tissue culture labs .

Students observed all the processes happening in the tissue culture unit . The scientists working in the tissue culture unit showed students all the equipment used in culturing of tissue .

This Company staff showed students that they primarily produce Biofertilizers, biopesticides and biofungicides .They explained to students that the products offered by the industry are acknowledged for their features like precise pH value, accurate composition, longer shelf life, effective results and eco-friendliness.

‘Sujay’ group of Industries managing staff explained to students that they have a strong team of Scientists having experience to convert In-vitro technologies into applicative commercial technologies. The sectors include, Biotechnology, Agriculture, Waste management, Bio-energy, Aquaculture, Veterinary and Nutraceuticals.

The Staff explained that success of our products and consultancies lies in the school of thought of our R&D Scientists. They told that hard work of R&D wing led to clear understanding on the basic problems in elimination of malnutrition, detoxification of pollutants at-source and extraction of valuable end products from economic indigenous raw materials.

Scientists explained to students the working mechanism of research lab equipment and their applications . They explained about the processes of Hydroponics, tissue culture , and culturing of animal feed.



**Hydroponics is a type of horticulture and a subset of hydroculture which involves growing plants, usually crops, without soil, by using mineral nutrient solutions in an aqueous solvent. Terrestrial or aquatic plants may grow with their roots exposed to the nutritious liquid, or, in addition, the roots may be physically supported by an inert medium such as perlite, gravel, or other substrates. Despite inert media, roots can cause changes of the rhizosphere pH and root exudates can affect rhizosphere biology and physiological balance of the nutrient solution by secondary metabolites.**

**Plant tissue culture is a collection of techniques used to maintain or grow plant cells, tissues or organs under sterile conditions on a nutrient culture medium of known composition. It is widely used to produce clones of a plant in a method known as micropropagation.**

**Plant tissue culture includes two major methods: • (A) Type of in vitro growth-callus and suspension cultures. • (B) Type of explant— single cell culture, shoot and root cultures, somatic embryo culture, meristem culture, anther culture and haploid production, protoplast culture and somatic hybridisation, embryo culture, ovule culture, ovary culture, etc.**

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Students learnt about all the methods and process by directly seeing the cultures ,observed the preparation of Media and its composition and observed the aseptic conditions maintained in tissue culture units.



Students observed Various sterilization methods . The tour was very informative and beneficial to Botany students .

**SRR & CVR Government Degree College**

As Assisted & 2013 ranked Best Government Institution. Ranked by NIRF in 2019-2020 based on NIRF scores in 2019-2020 based on NIRF scores. NAAC accredited institution with grade B1 with 57.5% A++ during August, 2022

Machavaram, Vijayawada, Krishna District, AP-520 004



**DEPARTMENT OF BOTANY**



STUDENT SIGNATURES AND FEEDBACK

| S.No | Date   | Class  | Roll no/ Reg no | Signature     | Remarks      |
|------|--------|--------|-----------------|---------------|--------------|
| 1    | 9.1.18 | II BZC | 163174018       | Priyanka      | Satisfactory |
| 2    | 9.1.18 | II BZC | 163174024       | RATU          | Good         |
| 3    | 9.1.18 | II BZC | 163174030       | Naga Tyebi    | useful       |
| 4    | 9.1.18 | II BZC | 163174026       | Durgaprasanna | Good         |
| 5    | 9.1.18 | II BZC | 163174022       | prasadulu     | Good         |
| 6    | 9.1.18 | II BZC | 163174020       | Priya         | Good         |
| 7    | 9.1.18 | II BZC | 163174041       | Disha         | Good         |
| 8    | 9.1.18 | II BZC | 163174025       | Madhus        | useful       |
| 9    | 9.1.18 | II BZC | 163174027       | Deepu         | Good         |
| 10   | 9.1.18 | II BZC | 163174019       | Sakem         | Good.        |
| 11   | 9.1.18 | II BZC | 163174023       | prasadanna    | Good.        |
| 12   | 9.1.18 | II BZC | 163174028       | Bhanuprakash  | useful       |
| 13   | 9.1.18 | II BZC | 163174040       | sandeep       | Good         |
| 14   | 9.1.18 | II BZC | 163174046       | swathi        | Good         |
| 15   | 9.1.18 | II BZC | 163174043       | Rechal        | useful.      |
| 16   | 9.1.18 | II BZC | 163174019       | Ramesh        | useful       |





## STUDENT SIGNATURES AND FEEDBACK

| S.No | Date | Class   | Roll no/ Reg no | Signature       | Remarks        |
|------|------|---------|-----------------|-----------------|----------------|
| 1.   |      | II BZC  | 21317207        | K. Monu         | Useful         |
| 2.   |      | II BZC  | 21317201        | A. Poojashu     | Good           |
| 3.   |      | II BZC  | 21317209        | T. Lavanya      | Got awareness. |
| 4.   |      | II BZC  | 21317205        | U. Jagadeesh    | Good.          |
| 5.   |      | II BZC  | 21317206        | T. Moudula      | useful.        |
| 6.   |      | II BZC  | 21317212        | P. Nethu        | Good           |
| 7.   |      | II BZC  | 21317204        | Devi Nagachi    | Got awareness  |
| 8.   |      | III BZC | 20311205        | N. Mounika      | useful         |
| 9.   |      | III BZC | 20311223        | Shaik Baji Babu | Good.          |
| 10.  |      | III BZC | 20311003        | G. J.           | Good           |
| 11.  |      | III BZC | 20311216        | P. Sai          | useful.        |
| 12.  |      | III BZC | 20311008        | P. R.           | Good           |
| 13.  |      | III BZC | 20211227        | G. J.           | Good.          |
| 14.  |      | III BZC | 20311213        | M. Gayathri     | Good.          |
|      |      |         |                 |                 |                |
|      |      |         |                 |                 |                |



## Field Trip I

06-08-2017.

A field trip is conducted in the college campus to identify and collect the different flora for the Herbarium and prepare field notes.

### Faculty members:-

1. M. Sravanavalli Dy.
2. D. Jyothi B
- 3.

### Students-

1. N. Sucharitha
2. M. Madhulika
3. P. Kiritha (BZC) I
4. P. Gopi
5. P. Raju
6. A. Radhikhaika
7. T. Parvathi
8. P. Sudha Rani (I BZC)
9. N. Swathi (II BZC)
- 10.

# Field Trip - I - SRR & CVR Campus,

To collect Algal forms, fungal forms & Bryophytes

28.07.2017



I B.Z.C. students collecting plant material from  
Tree trunks and old walls into sample bottles.



# Industrial Visit

August 2017

K.C.P. Sugar factory - Veyyur. K. Dt.



The students and faculty have visited K.C.P. sugar industry. The students have observed sugar manufacturing processes and fermentation of Molasses and preparation of manure from the residue.

Faculty members : 1. Ms. M. SRAYANA VALLI  
2. Smt. D. JYOTHI.

INDUSTRIAL VISIT

9-1-2018.

The final year BZC students accompanied with faculty members have visited **SUJAY BIOTECH PVT LTD** a tissue culture unit - Auto Nagar - Vijayawade.

Scientists have explained about Instrumentation, Hydroponics, Tissue culture and culturing of animal feed.

Faculty Members:-

1. H. Sravanavalli
2. D. Jyothi
3. SK - Parveen.

Students:-

1. S. Lava Kumar
2. P. Ranjitha
3. B. Prasanthi
4. Y. Sandhya
5. M. Prasanthi
6. P. Kalyani
7. M. Hanu
- 8.

**BRIEF REPORT ON DELHI – AGRA  
EDUCATIONAL TOUR**

**CONDUCTED BY**

**SRR & CVR GOVT. DEGREE COLLEGE,  
VIJAYAWADA**

**&**

**DISTRICT RESOURCE CENTER, KRISHNA (Dt)**



**SUBMITTED**

**BY**

**N JOHN SUKUMAR  
TOUR CONVENER  
ASST PROFESSOR, DEPT OF ECONOMICS  
SRR & CVR GOVT. DEGREE COLLEGE, VIJAYAWADA**

## **BRIEF REPORT ON DELHI – AGRA EDUCATIONAL TOUR**

Education Tour offers an opportunity for a rich immersion experience and tremendous way to facilitate learning. In educational tour, students have the chance to experience and explore much deeper level than they ever could in the class room. Therefore SRR & CVR Govt. Degree College, Vijayawada under the guidance of The District Resource Center, Krishna district organized an educational tour to Delhi and Agra from 28-30 January, 2018. This was a great idea of Dr. Velaga Joshi, The chairman of DRC and the principal of SRR & CVR Govt. Degree College, Vijayawada. This idea implemented by DRC coordinator Smt K L C Devi and Tour Organizer Lt M. Madhava Rao. Thirty students of which 08 were girls and 22 were boys from six Govt. Degree Colleges throughout the district went for the tour accompanied by three faculty members, Sri. N. John sukumar (Assistant Professor, Department of Economics) as a convener from SRR & CVR Govt Degree College, Vijayawada, Smt. SK. Beebi (Assistant Professor, Department of Chemistry) GDC, Kaikaluru and Sri. M. Jayaraj (Lecturer in Telugu) GDC, Tiruvuru.

**Pre planning and preparation:** Success of every event is depends upon the strong planning and coordination. So we have given maximum time and used highest resources to plan educational tour for our students.

**Selection of location:** It is very important in the prospect of all the essential aspects as part of curriculum, education, inspirational and motivation. Keeping all factors in mind Our Principal Dr. Velaga Joshi garu have decided to go to Delhi and Agra.

**Train booking:** After taking final nomination Lt M. Madhava Rao garu and co booked train tickets with student concession from Vijayawada to Delhi in Pondicherry express and from Delhi to Vijayawada in Grand trunk express.

**Bus Booking in Delhi:** We booked very comfortable bus of HOHO travels for four days to see around Delhi and Agra well in advance.

**Accommodation Breakfast and Dinner:** We have booked rooms in International Youth hostel in New Delhi well in advance. Breakfast arranged in hostel only. Dinner is arranged by our respected Vijayawada MP Sri Kesineni Nani garu at Andhra bhavan with the help of our Principal Dr. Velaga Joshi Garu.

## **Objectives of the tour**

The specific objectives of the tour are

1. **Real world experience:** Students practice their skills and critical thinking abilities outside of the controlled class rooms and he/she able to learn real world lessons.
2. **Socialization:** Taking students into a new environment give us the experience of travelling in a group teaches us to socialize and to be respectable of the places we visit.
3. **Reinforcement:** The tour can reinforce what a teacher has been instructing in class room about the subject and help students understand the topic better.
4. **Bonding:** students may be spend much of the trip day in small groups observing, chatting and learning about each other, and it will form a new bond among the students.
5. **Fun:** Students have fun and enjoyment with their friends and they also may return to the class room with a renewed focus with their college work.

## **Significance of the tour:**

The educational tour provided valuable learning opportunities away from the class room without using the text books and other normal college setting. BY coming into direct contact with different environment student can better understand their place in the community and develop openness to differences in others.

## **Tour proceedings**

**24<sup>th</sup> January 2018:** all the thirty students and three staff members presented in SRR & CVR Govt. Degree College, Vijayawada at 5:30PM. Among the thirty students 6 students are from SRR & CVR Govt. Degree College, Vijayawada, 6 are from GDC, Tiruvuru, 6 are from GDC, Kaikaluru, 6 are from GDC, Bantumilli, 4 are from GDC, Pamarru and 2 Girls from SWGDC, Kanchikacharla. All the students gathered at Sri Viswanatha kala vedika and Dr. velaga Joshi garu gave them some instructions about the tour and each and every student is given the instructions paper prepared by tour management. 3 staff members and 30 students received jerkins from Principal Dr. Velaga Joshi and from the members of old students association. We had a photo session with principal, staff and the eminent members of college old students association.

PROCEEDINGS OF **THE** CHAIRMAN, DRC, KRISHNADISTRICT  
Present : Dr. Velaga Joshi, Principal, SRR & CVR GDC (A), Vijayawada.

Re.l.'io:02/DRC/Ki-isbna/2017-18

Dated: 06.11.2017

Sub:- District Resource Committee - Krishna District - Educational Tour to  
Delhi in January 2018.

**Ref:-** I. DRC Meeting held on 07.07.2017

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With reference to the subject cited, as per the resolution made in District Resource Committee (DRC) Meeting held on 07.07.2017 at SRR & CVR Govt. Degree College (A), Vijayawada, DRC proposed to organize "Edu cational Tour" to New Delhi tentatively 07.01.2018 to 11.01.2018 (both clays ind usive). Hence all the principals in the district are requested to send the names of the six deserving candidates from each college from Arts, Commere and Science streams (both genders). They are reques ted to submit the list duly obtaining their willingness to the DRC, Vijayawada by 10.11.2017 to facilitate booking of tickets in advance.

Further as per the resolution made on 07.07.2017 they are requested contribute Rs.5000/- (Rupees Five Thousand Only) to DRC to organize various activities with the principals in the District.



PRINCIPAL  
PRINCIPAL  
SRR CVR GOVT. DEGREE COLLEGE  
(ARTS & SCIENCE)  
Machilipatnam, Vijayanagara District, 001,

**Proceedings of the Principal, SRR&CVR Govt. Degree College (A)  
MACHAVARAM::VIJAYAWADA.**

Present : **Dr Velaga Joshi, Principal** , *M.A(Phil),M.A(His) M.A(MCJ) ,M.Phil.,Ph.D.*

*Rc.No:02/DRC/Convener/Educational Tour/2017-18*

*Date:10.01.2018.*

**Sub: Sri.N.John Sukumar-Lecturer in Economics SRR&CVR Govt.Degree  
College (A) Vijayawada-Appointment of Convener of Educational Tour  
from 24.01.2018 to 30.01.2018- Orders – Issued- Regarding.**

**-:oOo:-**

**Order :-**

**Sri.N.John Sukumar, Lecturer in Economics of S.R.R & C.V.R Govt. Degree  
College (A) Vijayawada Appointed as Convener of the Educational Tour to New Delhi  
from 24.01.2018 to 30.01.2018 .he will be in charge of the tour programme in all respects, by  
taking care of the safety ,security and discipline of the entire team of the educational tour  
and also monetary ,Issues . He is further advised to maintain dairy of the tour programme  
with all necessary details. Dr. Shaik Beebi of Y.V.N.R. GDC and Sri M. Jayaraj of GDC  
Tiruvur act as team members of educational tour.**



**PRINCIPAL**

**Encl:**

**To & fro train ticketsList  
of students Itinerary**

*Copy to Individual,*

*Copy to C.C.E for information,*

*Copy to D.R.C file.*

## **INSTRUCTIONS TO THE STUDENTS**

- 1) Students must attend SRR&CVR govt degree college, Vijayawada on 24<sup>th</sup> January 2018 at 5 PM with One concerned lecturer. Dinner is arranged at college premises.
- 2) We will get into the train (**Pondicherry – New Delhi express Train No: 22403**) in Vijayawada railway station at 8 PM.
- 3) We are going to get down at New Delhi railway station on 26<sup>th</sup> January 2018 at 3:20AM and students are instructed to fresh up in railway station itself and we will move to International Youth hostel. Check in time: 10AM
- 4) Tentative Tour schedule
  - 26-01-2018** After breakfast going to participate in republic day celebrations and take rest OR shopping.
  - 27-01-2018** Delhi to Agra visit Taj Mahal one of the worlds 10wonders and Madura
  - 28-01-2018** Delhi local tour
  - 29-01-2018** Delhi local tour and shopping get down at New Delhi Railway station to Catch **GT Express Train No: 12616** at 5 PM
- 5) We will reach Vijayawada at 11:30 PM on 30<sup>th</sup> January 2018
- 6) Students should bring Rs 1000/- or above with them for Lunch and other entry expenses in sightseeing.
- 7) You can bring Rugs, swatters, Monkey caps and woolen cloths, blankets, socks, gloves as Delhi and surroundings are 5 to 6 Degrees of temperature.
- 8) You can carry your refreshment (chapattis, puris, lemon rice, snacks, water, etc.) to eat in train on 25<sup>th</sup> January 2018 if possible. You are free to bring eatables with you or you can take breakfast, lunch and dinner in train with your own expenses.
- 9) You are informed your coach and seat no priorly and student have to occupy his/her seat and afterwards you can adjust your seat with your friends.
- 10) Every college must name one as a leader for their college group.**
- 11) Students must bring college ID and aadhar card with them and they have to show when ever is required in the entire tour.**
- 12) You have to safeguard your own belongings.
- 13) Please avoid bringing any expensive gadget or valuables.
- 14) You are expected to be in line with the faculty decision, and behave in a decent manner.**
- 15) Students are not supposed to engage in any unacceptable activity that would hamper the repute of the institute.
- 16) You have to report to your group leader.
- 17) You are not supposed to go anywhere without faculty permission.**
- 18) Each time you board a bus or leave a building, you should take a count of your group.
- 19) **If a there is a medical concern during the trip, notify faculty immediately.**
- 20) Students must prepare tour book and submit it with feedback and suggestions.
- 21) Students are divided into two groups headed by two faculty members and the details will be given on 24th January 2018 at 5 PM.
- 22) Tour convener N. JOHN SUKUMAR, Asst Professor, Dept of Economics, SRR &CVR Govt Degree College (A), Vijayawada. Mobile No: 9440506282  
Concerned faculty members:
  1. Sri M. Jayaraju, Lecturer in Telugu, GDC, Tiruvuru. Mobile No: 9885415561
  2. Smt SK. Beebi, Lecturer in Chemistry, GDC, Kaikaluru. Mobile No: 9492125099

### TEAM-1

In charge faculty: **Smt SK. Beebi**, Lecturer in Chemistry, GDC, Kaikaluru.

|                           |                      |             |            |
|---------------------------|----------------------|-------------|------------|
| 1. J. Chandrika           | SRR GDC, Vijayawada  | TEAM LEADER | 8639723341 |
| 2. J. Manisha Cakravarthy | SRR GDC, Vijayawada  |             | 9100626440 |
| 3. E Swapna               | SRR GDC, Vijayawada  |             | 7673927290 |
| 4. M. Sireesha            | GDC, Kanchikacharala | TEAM LEADER | 9177082488 |
| 5. CH. Haritha            | GDC, Kanchikacharala |             | 9640529181 |
| 6. SK. Najma Begum        | GDC, Tiruvuru        | TEAM LEADER |            |
| 7. A. Krishnaveni         | GDC, Tiruvuru        |             |            |
| 8. G. Mounika             | GDC, Tiruvuru        |             |            |
| 9. B. Shankar Krishna     | GDC, Kaikaluru       | TEAM LEADER | 8008363689 |
| 10. B. Harish             | GDC, Kaikaluru       |             | 9502818138 |
| 11. B. Koteswar Rao       | GDC, Kaikaluru       |             | 9705353506 |
| 12. K. Bhagya Raju        | GDC, Kaikaluru       |             | 9676350411 |
| 13. V. Suresh Kumar       | GDC, Kaikaluru       |             | 9542312889 |
| 14. V. Sai Subrhamanyam   | GDC, Kaikaluru       |             | 8465972027 |

### TEAM-2

In charge faculty: **Sri M. Jayaraju**, Lecturer in Telugu, GDC, Tiruvuru.

|                        |                     |              |            |
|------------------------|---------------------|--------------|------------|
| 1. S. Deepu Visveswar  | SRR GDC, Vijayawada | TEAM LEADER. | 9000733242 |
| 2. K. Satwik Maharshi  | SRR GDC, Vijayawada |              | 7995636329 |
| 3. M. Raghava Ganesh   | SRR GDC, Vijayawada |              | 8801754679 |
| 4. B. Pavan Deep       | GDC, Tiruvuru       | TEAM LEADER  |            |
| 5. SK. John Basha      | GDC, Tiruvuru       |              |            |
| 6. E. Suneel           | GDC, Tiruvuru       |              |            |
| 7. J. Sudhakar Babu    | GDC, Pamarru        | TEAM LEADER  |            |
| 8. D. Vijayakanth      | GDC, Pamarru        |              |            |
| 9. K. Sai Gangadhar    | GDC, Pamarru        |              |            |
| 10. CH. Sai Kumar      | GDC, Pamarru        |              |            |
| 11. K.S.S.N. Balaji    | GDC, Bantumilli     | TEAM LEADER  | 8977718772 |
| 12. P. Santhosh Paul   | GDC, Bantumilli     |              | 8499003357 |
| 13. G. Nandikesava Rao | GDC, Bantumilli     |              | 9703745526 |
| 14. J. Naveen Nayak    | GDC, Bantumilli     |              | 9490027533 |
| 15. T. Poorna Raju     | GDC, Bantumilli     |              | 9550344901 |
| 16. SK. Azharuddin     | GDC, Bantumilli     |              | 8142477688 |

Tour Convener **N JOHN SUKUMAR**, Asst Professor, Dept of Economics, SRR & CVR Govt. Degree College (A), Vijayawada, Will look after the both teams.



### **GROUP PHOTO**

Then we have divided the students into two groups. Team A is headed by Smt SK. Beebi garu with 14 students and Team B is headed by Sri Jaya Raju garu with 16 Students.

Then we went to Vijayawada Railway station at 8 PM by local autos and we got into the train at 8:10 PM. Night dinner was arranged by Smt K L C Deivi garu and food packets were distributed by Lt. M. Madhava Rao garu in railway station to each and every student.



### **VIJAYAWADA RAILWAY STATION PONDICHERRY EXPRESS**

Train started at exactly 08:20 PM. It's a very long journey to reach New Delhi railway station. It took 34 Hours to reach our destination. We reached New Delhi on 26<sup>th</sup> Morning at 6:30 AM.



**NEW DELHI RAILWAY STATION**

**26<sup>th</sup> January 2018 (Friday):**

All the students and staff members completed their morning activities and had their breakfast in the station itself. Hoho bus came to rail station at 8:30 AM.



**HOHO BUS**

We went to International Youth Hostel in Chankyapuri. We have given four rooms (dormitories) and Separate room for girl students.



### INTERNATIONAL YOUTH HOSTEL

We kept our luggage in the rooms and rush up to see the Republic day parade at Red Fort, but we are not allowed to see the republic day celebrations because we didn't have passes. And we came to know that all the roads were closed even one day before by 04:00 PM. Bit a disappointment we tried to move to akshrdham temple.

**Akshardham Temple:** Akshardham Temple is the largest Hindu temple of India and is a major tourist destiny of India. The temple devoted to Swaminarayan has around 2000o statues, floral monuments, ponds, a large dining hall, numerous shopping complex and beautiful gardens. Situated on the bank of the Yamuna Akshardham temple has an IMAX theater, beautiful musical fountains. The students are very happy of visiting this temple.



### AKSHARDHAM TEMPLE

After visiting the temple bus was waiting for there for us in which we travelled to Qutab Minar

**Qutab Minar:** Qutab Minar is one of the historical places in India. It was built in 12A.D and 73m height. It is one of the tallest minar in India and made from red sand stone and marbles. Including this 73m high Qutub Minar, the iron pillar located in the Qutub complex is also visited by our students.



### **QUTAB MINAR**

After visiting Qutab Minar we went to Andhra bhavan for dinner and respected Vijayawada MP Sri Kesineni Nani garu arranged dinner for us. After taking the dinner we came back to International Youth hostel.

**27<sup>th</sup> January 2018 (Saturday):** Today we started at 6:30 AM in Volvo bus to Agra nearly 220 Km from Delhi. After 2 Hours of journey the driver stopped our bus nearby dhaba for breakfast. We

finished our breakfast and started again to Agra. Students enjoyed the travel of 4Hours with little games, songs and entertainment like dialogues and many more. We reached Taj Mahal around at 11:00 AM. We bought the tickets and stand in a big queue. There are two separate queues one is for girls and one is for boys. Girls went into the premises of Taj mahal quickly but for boys it took nearly 4 hours to reach Taj Mahal. It is very difficult & challenging to photograph the Taj Mahal. It's probably one of the most widely photographed monuments & hence, it's very difficult to get a 'different' or 'new' picture of the Taj. Even we couldn't get a photograph with whole team at Taj Mahal. Students scattered at taj Mahal area Because of reaching Taj Mahal by different students in different times due to big queues.

**Taj Mahal:** The Taj Mahal, often referred as the "Crown of Palaces" is a marvel creation of Mughal emperor Shah Jahan. It was built by him in memory of his third wife, Mumtaz Mahal. The mausoleum is built entirely of white marble.



**TAJ MAHAL**



After visiting Taj Mahal we came out by 6:30 PM and finished shopping there followed by dinner at at &:30 PM. The bus is waiting for us and we got into the bus by 09:00 PM. We reached International Youth Hostel, New Delhi by 02:00 AM. It is very difficult travel as the climate didn't supported with heavy fog.

### **27<sup>th</sup> January 2018 (Sunday):**

Today we started our journey to see New Delhi by 10:00 AM after taking our breakfast at our hostel. First we reached Indira Gandhi memorial museum.

**Indira Gandhi Museum:** Indira Gandhi Museum was the residence of former Prime Minister of India, Mrs Indira Gandhi. This residence has turned into a museum displaying her personal effects, including the blood stained saree, she was wearing during the assassination. It is great experience for us to see the greatness of our first women prime minister of India.



### **INDIRA GANDHI MEMORIAL MUSEUM**

After visiting Indira Gandhi Museum we moved to see India Gate.

**India Gate:** India Gate situated in the heart of Delhi was built in memory of the 90,000 soldiers who laid down their life during World War 1. The 42m height India Gate is a popular tourist destiny of Delhi. The place is popular as a relaxation area during evening of summer and a picnic spot during winter. Students enjoyed this place and finished their lunch nearby hotels.



### INDIA GATE

After visiting the India Gate we moved to visit Red Fort. On the way we had seen the Rashtrapathi Bhavan from bus. We are not permitted to visit Rashtrapathi Bhavan because of republic day celebrations. At 03:00 PM we reached red fort.

**Red Fort:** The Red sandstone walls of the massive Red Fort (Lal Qila) rise 33-m above the clamour of Old Delhi as a reminder of the magnificent power and pomp of the Mughal emperors. The walls, built in 1638, were designed to keep out invaders, now they mainly keep out the noise and confusion of the city.



### RED FORT

After visiting the red fort we went for shopping in Chandni Chowk

**The Chandni Chowk (Moonlight Square):** is one of the oldest and busiest markets in Old Delhi, India. Chandni Chowk is located close to Old Delhi Railway Station. The Red Fort monument is located within the market. It was built in the 17th century by Mughal Emperor of India Shah Jahan and designed by his daughter Jahanara.



### CHANDNI CHOWK

After finishing the shopping we went to Andhra bhavan for dinner. We had a nice dinner today with Andhra meals which is also sponsored by our beloved Vijayawada MP Sri Kesineni Nani garu. After dinner we came back to International Youth Hostel.

### 28<sup>th</sup> January 2018 (Monday):

We packed our luggage and we vacated the rooms and had our breakfast by 10:00 AM. We started our journey to see around Delhi. First we visited National Science Center.

**National Science Centre:** The National Science Centre, Delhi is a unit of the National Council of Science Museums (NCSM), which is an autonomous body under the Ministry of Culture of the Government of India. It is a pioneering institute engaged in the popularisation of science among the people of the northern part of India in general and among the students in particular. It was inaugurated on the 9th of January 1992 by the then Prime Minister of India . Since opening, the Centre has rendered yeoman service to the cause of science popularisation.



### **NATIONAL SCIENCE CENTRE**

After visiting the science center we visited Supreme Court

**SUPREME COURT OF INDIA:** Supreme Court of India came into existence on 26th January, 1950 and is located on Tilak Marg, New Delhi. The Supreme Court of India functioned from the Parliament House till it moved to the present building. It has a 27.6 metre high dome and a spacious colonnaded verandah. For a peek inside, you'll have to obtain a visitor's pass from the front office.



### **SUPREME COURT OF INDIA**

After visiting Supreme Court of India we went for Lunch at Andhra bhavan. Finished our lunch and came back for shopping at Chandini Chowk where the students got the goods very cheaper rate. After completing our shopping we moved to New Delhi Railway station to catch GT Express by 06:20 PM. We reached Vijayawada Railway station on 31<sup>st</sup> January 2018 at 01:00 AM.

**Certificates:** Participation certificates were issued to each and every student.

### **Recommendations**

2. It is better to arrange Delhi – Agra tour in the month of February not in the month of January as there are so many restrictions due to the Republic day celebrations.

**Feedback from the students:** Students were very satisfied with the places selected by DRC. Students loved the journey to Agra and enjoyed the beauty of Taj Mahal. They also enjoyed the places like Askhardham, Red Fort, Kutubminar and so on. They got motivated through the life history of Smt. Indira Gandhi the first Women Prime Minister by visiting Indira Gandhi Musium. They enriched with scientific thoughts by visiting National Science Center.

This was the learning as well as fun oriented trip for all of them where they have developed close bond with all the students who are from various colleges and staff as well. Various inner hidden skills like leadership, creativity, singing, music etc., came out during this trip. It was unforgettable experience for all of them. They have requested to go for similar educational tour on regular basis and had shown their sincere gratitude towards Vijayawada MP Kesineni Nani garu, Principal Dr. Velaga Joshi Garu, DRC coordinator Smt. K L C Devi garu and Tour Organizer Lt. M. Mahdava Rao garu, for their support an effort for the success of the Delhi - Agra tour.



**Thanks to Sri Kesineni Nani Garu, MP, Vijayawada**



**S.R.R. & C.V.R. Government Degree College  
(A), Vijayawada.**

*Department of Mathematics*

**Field Trip to Vedhic Mathematics Exhibition on  
28-07-2017, 29-07-2017, 30-07-2017.**

**Report by Smt. K.V. Naga Lakshmi,  
HOD of Mathematics.**

Vijayawada,  
Date: 26-07-2017

To,

**The Principal,**  
S.R.R & C.V.R GOVT Degree College (A),  
Vijayawada.

Respected Sir,

Sub:- Permission to attend the field trip to **Vedhic Mathematics Exhibition on 28-07-2017, 29-07-2017, 30-07-2017** organized by Vidya Bharathi Akhila Bharatiya Siksha Samstan at Satyanarayanapuram, Vijayawada – Reg.

\*\*\*

As per the curriculum Students & Staff of Mathematics Department, S.R.R & C.V.R Govt. Degree College (Autonomous) Vijayawada are willing to attend the field trip to **Vedhic Mathematics Exhibition on 28-7-2017,29-7-2017, 30-7-2017** organized by Vidya Bharathi Akhila Bharatiya Siksha Samstan at Satyanarayanapuram, Vijayawada.

In this regard I request you to permit our Staff and Students of Mathematics department to attend the above programme.

Thanking you.

Yours faithfully,

(K.V Naga Lakshmi)

Incharge of Mathematics Dept  
S.R.R. & C.V.R. Govt. Degree College  
Vijayawada

Department of Mathematics has attended field trip to **Vedhic Mathematics Exhibition on 28-07-2017, 29-07-2017, 30-07-2017** organized by Vidya Bharathi Akhila Bharatiya Siksha Samstan at Satyanarayanapuram, Vijayawada.

**Smt.K.V. Nagalakshmi, in charge of Mathematics, and Faculty of Mathematics Sri. M.L. Das, Sri. K.V. Rama Rao, Sri. Ch. Jagadish, Sk. Parveen, K. Srinivas and in charge of Statics Sri. K. Bhanu Prasad** along with 61 students of U.G and P.G. Mathematics students & 7 Nos of Faculty visited **Vedhic Mathematics Exhibition on 28-07-2017, 29-07-2017, 30-07-2017** organized by Vidya Bharathi Akhila Bharatiya Siksha Samstan at Satyanarayanapuram, Vijayawada. They interacted with programme organisers and acquired Knowledge on Mathematics. It created interest among the students in Mathematics.



**Explaining about Vedhic Mathematics by a Student**



### **Explaining about Vedhic Mathematics by a Participant**

#### **Programme Out Comes:**

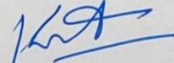
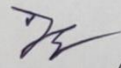
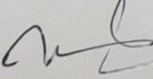



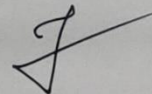
- 1) Students gained Knowledge on **Vedhic Mathematics**.
- 2) Finding Cubes of Big Numbers by using simple tricks.
- 3) Students acquired Knowledge on Beauty of Mathematics in Nature.
- 4) Vedhic Mathematics is useful for competitive Exams.

### Field Trip

Date : 28-07-2017

With the permission of the Principal, the faculty of Mathematics and Statistics Departments along with the B.Sc. & M.Sc. Mathematics Students have attended the workshop on **Vedhik Mathematics** on 28-07-2017, 29-07-2017 and 30-07-2017, organized by **Vidya Bharathi Akhila Bharatiya Siksha Samsthan** at Satyannarayanapuram, Vijayawada.

Signature of the Faculty members attended.

1. K.V. Naga Lakshmi 
- 2) K. Bhamprasad 
- 3) CH JAGADISH 
- 4) K. V. Rama Rao 
- 5) Sa Jameen 
- 6) D. Swarna Kumari 
- 7) N. Srinivas 

  
Principal

PRINCIPAL  
SRR & CVR COLLEGE DEGREE COLLEGE  
(Autonomous)  
Mechanics DEPARTMENT  
VIJAYAWADA-520 004.

| S.No | Name of the student | Section          | Signature        |
|------|---------------------|------------------|------------------|
| 1.   | D. Neeraja          | II B.Sc (MPCS)   | D. Neeraja       |
| 2.   | N. Sai Maneesha.    | II BSC (MPCS)    | N. Sai Maneesha  |
| 3.   | P. Shameem          | II BSC (MPCS)    | P. Shameem.      |
| 4.   | K. Nandini          | II BSC (MPCS)    | K. Nandini       |
| 5.   | J. Nikhila          | II BSC (MPCS)    | J. Nikhila       |
| 6.   | CH. Vofu            | II BSC (MPCS)    | CH. Vofu.        |
| 7.   | P. RAMBABU          | II B.Sc (M.P.CS) | P. Rambabu       |
| 8.   | B. Surya Prakash    | II B.Sc (M.P.CS) | B. Surya Prakash |
| 9.   | M. Vikram           | II B.Sc (M.P.CS) | M. Vikram        |
| 10.  | P. Nutan Goud       | II B.Sc (MPCS)   | P. Nutan Goud.   |
| 11.  | T. Phaniendra.      | II BSC (M.P.CS)  | T. Phaniendra    |
| 12.  | J. RAVINDRA         | II B.Sc [M.P.CS] | J. Ravindra.     |
| 13.  | P. Hari Krishna     | II B.Sc (MPCS)   | P. Hkulli.       |
| 14.  | J. Bhaskar.         | II B.Sc [M.P.CS] | J. Bhaskar.      |

| S.NO | Name of the student    | Section         | Signature              |
|------|------------------------|-----------------|------------------------|
| 15   | S. DIVESH              | II BSC (MPS)    | S. Divesh              |
| 16   | Ch. Bhavani            | BSC (MScS)      | Ch. Bhavani            |
| 17   | G. Venkata sai Pavani  | BSC (MScS)      | G. Venkata sai Pavani  |
| 18   | Ch. Siva parvathi      | BSC (MScS)      | Ch. Siva parvathi      |
| 19   | Ch. Vijaya             | BSC (MScS)      | Ch. Vijaya             |
| 20   | M. Naga Lakshmi        | B.S.C (M.S.C.S) | M. Naga Lakshmi        |
| 21   | T. Swathi              | B.S.C (M.S.C.S) | T. Swathi              |
| 22   | G. Jyothi              | B.S.C (M.S.C.S) | G. Jyothi              |
| 23   | E. Twinlaja Mounika    | BSC (M.S.C.S)   | E. T. Mounika          |
| 24   | K. Padmavathi          | BSC (MScS)      | K. Padmavathi          |
| 25   | M. Madhavi latha       | B.Sc (M.S.C.S)  | M. Madhavi latha       |
| 26   | S. Rama devi           | II BSC (MScS)   | S. Rama devi           |
| 27   | R. Renuka              | II B.Sc (MScS)  | R. Renuka              |
| 28   | Ch. V. V. Nsoilareshmi | II B.Sc (MScS)  | Ch. V. V. Nsoilareshmi |
| 29   | S.K. Arjun             | II B.Sc (MScS)  | S.K. Arjun             |

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| S. NO | Name of the Student     | Section   | Signature         |
|-------|-------------------------|-----------|-------------------|
| 30    | B. Naga Bhavani         | B.Sc MECS | B. Naga Bhavani   |
| 31    | B. Gopi Chand           | B.Sc MECS | B. Gopi Chand     |
| 32    | D. Sai Teja             | B.Sc MECS | D. Sai Teja       |
| 33    | D. Raja Sekhar          | B.Sc MECS | D. Raja Sekhar    |
| 34    | D. V. L. Manohari Kumar | B.Sc MECS | D. V. L. Manohari |
| 35    | D. Sandeep              | B.Sc MECS | D. Sandeep        |
| 36    | E. Vasavi               | B.Sc MECS | E. Vasavi         |
| 37    | E. Lakshmi              | B.Sc MECS | E. Lakshmi        |
| 38    | Gi. Sravani             | B.Sc MECS | Gi. Sravani       |
| 39    | K. Siva                 | B.Sc MECS | K. Siva           |
| 40    | K. Suresh               | B.Sc MECS | K. Suresh         |
| 41    | L. L. Narayana          | B.Sc MECS | L. Narayana       |
| 42    | K. Suresh               | B.Sc MECS | K. Suresh         |
| 43    | M. Naveen Kumar         | B.Sc MECS | M. Naveen Kumar   |
| 44    | P. Ravi                 | B.Sc MECS | P. Ravi           |
| 45    | P. Swetha               | B.Sc MECS | P. Swetha         |

| S. NO | Name of the student | Section     | Signature       |
|-------|---------------------|-------------|-----------------|
| 46    | A. Mohan            | B.Sc M.S.CS | A. Mohan        |
| 47    | A. Rama Krishna     | B.Sc M.S.CS | A. Rama Krishna |
| 48    | Ch. Vijaya          | B.Sc M.S.CS | Ch. Vijaya      |
| 49    | Ch. Devi            | B.Sc M.S.CS | Ch. Devi        |
| 50    | D. Sai Babu         | B.Sc M.S.CS | D. Sai babu     |
| 51    | G. Surendra         | B.Sc M.S.CS | G. Surendra     |
| 52    | G. Jyothi           | B.Sc M.S.CS | G. Jyothi       |
| 53    | G. Suresh Babu      | B.Sc M.S.CS | G. Suresh babu  |
| 54    | K. Sai Kumar        | B.Sc M.S.CS | K. Sai Kumar    |
| 55    | L. Suma Durga       | B.Sc M.S.CS | L. Suma Durga   |
| 56    | M. Aruna            | B.Sc M.S.CS | M. Aruna        |
| 57    | M. Naga Lakshmi     | B.Sc M.S.CS | Naga lakshmi. M |
| 58    | P. Swetha           | B.Sc M.S.CS | P. Swetha       |
| 59    | S. Rama Devi        | B.Sc M.S.CS | S. Rama Devi    |
| 60    | T. Durga            | B.Sc M.S.CS | T. Durga        |
| 61    | T. Swathi           | B.Sc M.S.CS | T. Swathi       |

**SRR & CVR GOVT. DEGREE COLLEGE (A) VIJAYAWADA**

**DEPARTMENT OF MICROBIOLOGY**

**2017-2018**



**Field Visit Yanamalakuduru, Vijayawada**

**Observation of Symptoms of Diseases Field Crops and Plants**



**Department of Microbiology**



**13-10-2017**

# **SRR & CVR GOVT. DEGREE COLLEGE (A) Vijayawada**

## **Department of Microbiology**

### **Activity Register 2017-2018**

|   |   |
|---|---|
| Date  | <b>13-10-2017</b>   |
| Conducted through<br>(DRC/JKC/ELF/NCC/NSS/Departments etc.) | <b>Department of Microbiology</b>   |
| Nature of Activity(Seminar/Workshop/Extn. Lecture etc.,)    | <b>Field Visit</b>  |
| Title of the Activity                                       | Field Visit to <b>Field Visit Yanamalakuduru, Vijayawada. Observation of Symptoms of Diseases Field Crops and Plants</b>  |
| Name of theDepartment/Committee                             | <b>Department of Microbiology</b>   |
| No. of students participated                                | 17 III BSc MBC  |
| Brief Report on the activity                                | <p>The Department of Microbiology has Organized Field Visit <b>Field Visit Yanamalakuduru, Vijayawada Observation of Symptoms of Diseases Field Crops and Plants</b>. Students noted symptoms of commercial crops viz Chilli, Turmeric and vegetable crop brinjal.</p> <p>The occurrence and prevalence of plant diseases vary from season to season, depending on the presence of the pathogen, environmental conditions, and the crops and varieties grown. Some plant varieties are particularly subject to outbreaks of diseases while others are more resistant to them. Hence field visit has been planned to identify the diseases on field crops and plants by III BSc Microbiology.</p> <p>Loss of crop from plant diseases may also result in hunger and starvation, especially in less-developed countries where access to disease-control methods is limited and annual losses of 30 to 50 percent are not uncommon for major crops. In some years, losses are much greater, producing catastrophic results for those who depend on the crop for food. Major disease outbreaks among food crops have led to famines and mass migrations throughout history.</p> <p>Such losses from plant diseases can have a</p> |


|  |   |
|--|---|
|  | significant economic impact, causing a reduction in income for crop producers and distributors and higher prices for consumers. |
| Name of the Lecturers who Planned & conducted the activity | Dr .D .Jyothi and Mrs Dorcas Anand  |
| Signature of the In- Charge                                |    |
| Signature of the Principal                                 |   |

## **ACKNOWLEDGEMENTS**

We express our deep sense of gratitude to Dr. Velaga. Joshi, Principal SRR & CVR Govt. Degree College Autonomous, and Vijayawada for his support and constant encouragement to upgrade the knowledge of the students.

In Charge Dept of Microbiology



  
*Principal*



**III BSc MBC, Field Visit to Yanamalakuduru, Vijayawada. Dated:13-10-2017**

**Observation of Symptoms of Diseases Field Crops and Plants**

SRR and CVR Govt Degree College (A), Vijayawada

Department of Microbiology

Students Attended

Title of the Activity: Field visit to observation of symptoms of  
Diseased Field crops and plants  
Class: III Bsc MBC  
Date: 13/10/2017

| S No | Name of the Student | Signature        |
|------|---------------------|------------------|
| 1    | K. Bharghavi        | K. Bharghavi     |
| 2    | G. Suneetha         | G. Suneetha      |
| 3    | M. Sravani          | M. Sravani       |
| 4    | B. Reena Rechal     | B. Reena Rechal  |
| 5    | Syed. Gousia        | Syed. Gousia     |
| 6    | Bss. Meenakshi      | Bss. Meenakshi   |
| 7    | P. Krupani          | P. Krupani       |
| 8    | G. Santha Kumari    | G. Santha Kumari |
| 9    | SK. Shakila         | SK. Shakila      |
| 10   | L. Nithin Kumar.    | L. Nithin Kumar  |
| 11   | G. Latha            | G. Latha         |
| 12   | M. Farnst Henry     | M. Farnst Henry  |
| 13   | R. Santhi jyothi    | R. Santhi jyothi |
| 14   | M. Nandini          | M. Nandini       |
| 15   | T. Sirisha          | T. Sirisha       |
| 16   | K. Sai kali         | K. Sai kali      |
| 17   | N. Siva parvathi    | N. Siva parvathi |

12.10.2017.

To,  
The Principal,  
SRR&CVR GDC (A),  
Vijayawada.

Respected Sir,

Sub: Request letter to field trip for 3<sup>rd</sup> MBC students of our college - regd.,

With reference to above subject, I, D. Jyothi, lecturer in Botany (in charge of Dept of Microbiology) would like to bring your kind notice that it has been planned to have field trip to observe symptoms of diseased crop fields and plants for our 3<sup>rd</sup> year MBC students on date 13/10/2017 at Yanamalakuduru, Vijayawada. I assure this trip is much more useful and very effective for better understanding about their subjects.

Hence, we kindly request you to give permission to go to field trip.

Thanking you sir.

Your's sincerely,

1.D.Jyothi

2.C.Dorcas Anand.



**SRR & CVR GOVT. DEGREE COLLEGE**  
(Autonomous)

PHONE NO : 0866-2430060  
FAX NO : 0866-2441092

NAAC : B+ (III Cycle with CGPA : 2.60) - Estd: 1937  
ISO 9001 - 2015 Certified  
Institution is ranked by NIRF in 151 - 200 band at NIRF - 2019

WEBSITE : [www.srrcvr.org](http://www.srrcvr.org)  
EMAIL : [srrandcvr@gmail.com](mailto:srrandcvr@gmail.com)



## DEPARTMENT OF BOTANY



**Botanical tour to Araku valley (25-01-2019 to 28-01-2019)**

### **Faculty In- charge:**

1. Smt. D. Jyothi
2. G.V. Varalakshmi
3. V. Nagalakshmi

**Number of Participants: 20**

**Nature of Activity: Out Door**

## **SRR & CVR Government Degree College (A), Vijayawada**

### **Botanical tour Activity report**

Department of Botany organized Botanical tour to Araku from 25<sup>th</sup> January to 28<sup>th</sup> January 2019. Twenty students attended the Botanical tour and were accompanied by three faculty members. During the tour students had visited “Padmapuram Botanical Gardens” a historic garden located on the way to araku road. It purely meant for attracting the tourists through its displayed fascinating flowers. Students observed the cultivation of Spices like *Piper nigrum* and beverages like Coffee plantations in the valley of Araku. Students interacted with the tribal people to know about the lifestyles. Tribals of Araku valley used a method of cultivating crops known as Podu cultivation. They collected forest products and sell them in a public gathering known as “Santha” which is the source of income to many tribal families. Students also visited tribal museum which has been designated to showcase tribal life style in motion, starting with a kitchen that displays utensils made of iron and mud. The sculptures in the museum made up of caly which depict their day to day activities. Being a part of Botanical tour students are also visited Coffee museum, Chaparaai water falls and Galikonda view point which is the second highest peak in the Eastern Ghats for spectacular view of Araku valley.



Botanical Tour to Araku  
25/1/19 to 28/1/19



Students Observing the Wild Flora  
of Araku Valley area



**Observation of  
coffee seeds**



**observing the Cultivation of  
Paddy crop through Podu  
cultivation by tribes of Araku**



# SRR & CVR GOVT. DEGREE COLLEGE (Autonomous)

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WEBSITE : [www.srrcvr.org](http://www.srrcvr.org)  
EMAIL : [srrandcvr@gmail.com](mailto:srrandcvr@gmail.com)



## **Botanical tour to Araku Valley**

### **Internal Quality Assurance Cell (IQAC)**

This is to certify that the activity report (Teacher/Department) on Botanical tour to Araku Valley organized by Department of Botany from 25<sup>th</sup> January to 28<sup>th</sup> January, 2019 has been submitted IQAC for documentation, SRR & CVR Government Degree College(A), Vijayawada.

IQAC CO-ORDINATOR

PRINCIPAL

**SRR & CVR GOVERNMENT DEGREE COLLEGE ( A ) –**  
**VIJAYAWADA, KRISHNA . DIST**

**A REPORT ON**  
**FIELD VISIT**

**TO**

**Association of Lady Entrepreneurs of India (ALEP)-**  
**Vijayawada.**

**ON**

**27-03-2019**

**Participants**

**Faculty of Commerce:**  
**Smt. Razia Sulthana**  
**Students of BBA**

**Organised by :**

**Department of Commerce & Management**  
**SRR & CVR Government Degree College (A)**  
**Vijayawada, Krishna Dist.**  
**Andhra pradesh**

Educational Field Trips make the student more diligent, increase their knowledge, facilitates the learning process, and provides a special experience for students that cannot be found in books. Besides that, teachers use this to apply moral values among the students

Keeping this in view, The Department of Commerce & Management of SRR & CVR Government Degree College arranged a Field visit to B.Com & BBA students on 27<sup>th</sup> March 2019 to ALEP( Association of Lady Entrepreneurs of India) where they got some fine knowledge of workings and management of Women entrepreneurship. They understood the working pattern of ALEP, their management, and their marketing strategies and also know how to empower women in self-employment and entrepreneurship.

**About ALEAP:** ALEAP India was the dream of women entrepreneurs, who wanted to train, guide, support, and enhance the lives of other women. The Association of Lady Entrepreneurs of India (ALEAP) was established with an aim to bring Women Entrepreneurs trying to help each other on a common platform.

The association was established in December 1993 under section 25 of the company's act 1956 as a non-profit Organisation. Today it holds the recognition of being one of India's premier institutions for women entrepreneurship.

**Vision:** To become a centre of excellence for the development of women's entrepreneurship. To foster women's entrepreneurship with a focus on innovative creativity, financial sustainability and social impact.

**Mission: The Mission of ALEAP** mission is to leverage Women's entrepreneurship development in India for achieving their economic growth as well as of the Country. To be the empowering agent to facilitate the development of dynamic women entrepreneurs by strengthening their entrepreneurial capacities, and supporting growth of MSMEs in the formal and informal sectors.



**Team of women Entrepreneurs in the ALEAP**

### **SUMMARY OF VISIT:**

Visiting the ALEAP as a part of Industrial visit is a very exciting experience . This visit is meant for only BBA students asw a good practical orientaion on entrepreneurial Development and administration oriented. In the initial stage of the visit the students were led by Mrs. Jaya Laksmi the documentationist of the ALEAP Acts as a facilitator and provide valuble information regarding the objective of the ALEAP -HUB , and the training facilities provided by it to the enthusiastic women entrepreneurs, she also explained about its operations and networking .

After having a birds Eye view of different segments of the ALEAP ,Such as food manufacturing unit ,Where different food items preparation is continued , Kisan Bio formulation\_ ,in this unit the bio products which are needed to farmers fields are produced, rice milling and Oil refinery etc.However the prime focus is intended on Book printing unit. Where the students allowed to carefully observe the Manufacturing process of book binding and printing of various meterials like Atlas , School books etc. The students are also observed and learn the process of Slate manufacturing activity. The entire process of the book unit was guided by the two supervisors of the book unit

This trip enables the students to explore various skills required for an entreprse and various production units that are involved in a manufacturing units. They have also learn about the Managerial skills and marketing strategies of a women enterprises in the competitive markes and market forms.



***Just before step in ALEAP..***



***BBA students and Staff with Supervisors and facilitators of the Book unit***



***AT the book printing unit***

# A field visit to AICAP Industrial Estate, Serampalli on 27<sup>th</sup> March, 2019

The Department of Commerce & Business Administration organized a field visit to AICAP Industrial Estate, Serampalli on 27<sup>th</sup> March 2019 for II<sup>nd</sup> & IV<sup>th</sup> Semester BBA students. AICAP stands for Association of Lady Entrepreneurs of India is the first women entrepreneurs industrial estate in India. AICAP has developed another multiproduct Industrial Cluster for women entrepreneurs with thrust in food processing at Serampalli, Vijayanpur. Now more than 70 Industries Planning to create Employment for 4000 local people.

All the students & some of the staff members visited AICAP & got to know the functioning of various food processing & printing Industries. Students felt that the field visit & extremely informative & motivating.

| Name                | class | Signature        |
|---------------------|-------|------------------|
| 1) V. Divya Sri     | IBBA  | V. Divya Sri     |
| 2) P. Lavanya       | IBBA  | P. Lavanya       |
| 3) N. Dhana Lakshmi | IBBA  | N. Dhana Lakshmi |
| 4) T. Shrutthi      | "     | T. Shrutthi      |
| 5) BNVS. Bhargavi   | "     | BNVS. Bhargavi   |
| 6) Ch. naga Gowri   | IBBA  | Ch. naga Gowri   |
| 7) Y. Abhishek.     | IBBA  | Y. Abhishek      |
| 8) P. Adithyan      | IBBA  | P. Adithyan      |

|    |                    |                       |              |
|----|--------------------|-----------------------|--------------|
| 9  | Lahareesh          | 1 <sup>st</sup> B.B.A | Lahareesh    |
| 10 | Uday Kiran         | 1 <sup>st</sup> B.B.A | Uday Kiran   |
| 11 | Krishnareddy       | 2 <sup>nd</sup> B.B.A | Krishnareddy |
| 12 | S. G. Venkta Kumar | B.B.A                 | Suresh Kumar |
| 13 | Vijay Kumar        | I BBA                 | Vijay Kumar  |
| 14 | Lava Kumar         | I BBA                 | Lava Kumar   |
| 15 | Venkatesh          | I BBA                 | Venkatesh    |
| 16 | Answar Basha       | II BBA                | Answar       |
| 17 | K. Karthik         | II BBA                | Karthik      |
| 18 | K. Kalpana         | II BBA                | Kalpana      |



B. Parth

Rajla Sultana

Verified

1. M. Lakshman Das 6/11/2019 CONVENOR

C.M. LAKSHMANDAS

2. Dr. Karun

3. K. Naveen 6/11/2019 Member

**SRR & CVR GOVERNMENT DEGREE COLLEGE ( A )**  
**VIJAYAWADA, KRISHNA DIST.**

**A REPORT ON**  
**INDUSTRIAL VISIT**

**To**  
**Indiraa Foods Ulavacharu, Vijayawada**

**Date & Time :**  
**04- 12-2018 from 10.00 am to 2.pm**

**Participants :**  
**Sri.S.N.Subhani, Incharge**  
**Faculty of Commerce:**  
**Sri. B.S.N. Rao,**  
**Sri. M.Srinivasa Rao**  
**Sri. P. Murali**  
**Smt. B. Prathima**  
**Sri.M.S.Sharma**  
**Students of B.COM**

**Organised by :**  
**Department of Commerce & Management**  
**SRR & CVR Government Degree College (A)**  
**Vijayawada, Krishna Dist.**  
**Andhra Pradesh**

## **INTRODUCTION:**

Educational Field Trips make the student more diligent, increase their knowledge, facilitates the learning process, and provides a special experience for students that cannot be found in books. Besides that, teachers use this to apply moral values to the students.

Keeping this in view, The Department of Commerce & Management of SRR & CVR Government Degree College arranged an Industrial visit to B.Com students on 4<sup>th</sup> December 2018 to Indiraa Foods Ulavacharu Factory, where they got some fine knowledge of the workings and management of a factory. They understood the working pattern of the factory, their management, and their marketing strategies.

## **ABOUT INDIRAA FOODS ULAVACHARU:**

Ulavacharu recipe is a super healthy authentic Andhra recipe where we cook horse gram which contains the highest protein in a fluid and semi-fluid form.

"INDIRAA FOOD'S" is committed to providing one of the best recipes of South India. Over past the 25 years. Indira foods have been providing tasty and traditional Ulavacharu (ఉలవచారు) all over Andhra Pradesh, Telangana, Karnataka, Tamil Nadu, and abroad too. We are the leading providers of Ulavacharu (ఉలవచారు) for Individuals, Retailers, Marriages and Functions.

Indiraa Foods was started from humble beginnings in rural Andhra Pradesh by Mandava Venkataratnam Garu. Over the last 25 years, he has perfected the art of making Ulava Charu and in fact, invented (also patented) the jacketed vessels needed to brew the highest quality product. But Indiraa Foods never forgot its commitment to honesty, integrity, and quality. That is why they have earned an enviable distinction of being one of the most famous manufacturers of tasty and hygienic Ulavacharu.

In fact “brown soup” as Ulavacharu is known in cities had changed the fortunes of Mr. Ratnam. Once this recipe, made from horse grams, was confined mainly to the farming community, but it is now satisfying taste buds beyond boundaries courtesy of Mr. Ratnam.

It became a celebrated dish in functions in AP and Telangana State and in Tamil Nadu and Karnataka where Telugus reside. It has also reached the United States and other Western countries.

Interestingly, its popularity has grown through mouth-to-mouth publicity. A number of celebrities have also appreciated this pure Telugu dish including former US President Bill Clinton when he tasted it during TANA meetings

## SUMMARY OF VISIT:

We arrived at Indiraa Foods Ulavacharu factory at 10:00 AM. After that, we gathered at the front gate. Mr. Mandava Venkataratnam Garu personally guided the team and explain the process of preparation of ulavacharu right from the first step of purchasing the qualitative grains to the last step of packing ulavacharu . He also gives the business tips, ethics of business, and strategies that are needed for the success of any business. He also shared his experiences as the founder of the Factory, where the students visited manufacturing as well as packing and dispatching functions of Indiraa Foods Ulavacharu Unit where students were getting knowledge about processing system. The process of ulavacharu making is as follows

- The entire process of ulavacharu making takes nearly 12 hours. By taking 1200 liters of water finally 50 liters of the pure essence of ulavacharu comes out
- In the first step of ulavacharu making the employees first check the quality of the horses grains and pour them into a De- stoner machine that will separate stone and mud particles from the hores grains. Then they are cleaned with fresh water.
- The 2 nd stage of the process takes 4hours to extract the water from of ulavacharufinal form of ulavacharu. In this stage, a single fire boiler is connected with a number of vessels for cooking. Here the cleaned hores grains will be poured into specially made vessels that contain hot water in them. the vassal which is mentioned here as a specially designed and sanctioned patent right for its making by the founder of the factory. He also mentioned about pure RO water is used in the making of ulavacharu. This practice is a unique feature adopted by the manufacturer.
- The stage is a lengthy and time taking process that goes up to 6 to 8 hours. In this stage, the water will be separated from the horse grams and several ingredients such as onions, tamarind chili powder, and salt will be added simultaneously and boiled till the end of getting up to the collection of the final recipe. From here packed the product to send to sales outlets.



***A group photo with the founder of Indira Foods Ulavacharu***



***Entrance of the Factory***



***At Fire Boiler***



***At processing unit***

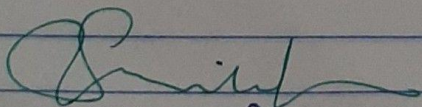
11 Dec 2018  
69  
A Field Trip To Indira Foods  
Mlava Charu, Enamadala, Visayawada  
on 11 Dec 2018

Department of Commerce & Business Administration organised a field trip to Indira Foods Mlava Charu factory on Dec 2018 for II, III, IV semester students of BBA, & B.COM. over the 25 years they have been providing tasty and traditional Mlavacharu all over Andhra Pradesh, Telangana, Karnataka, Tamil Nadu and abroad too. Indira Foods started from humble beginnings in rural Andhra Pradesh by Mandava Venkateswaram Charu. Indira Foods are FSSAI certified. And This Industry providing employment opportunities to many people.

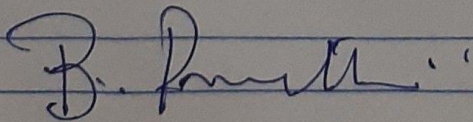
All <sup>45</sup> BBA & students who are visited these factory getting more Mlavacharu Industrial Experience, and also know the knowledge about the Mlavacharu

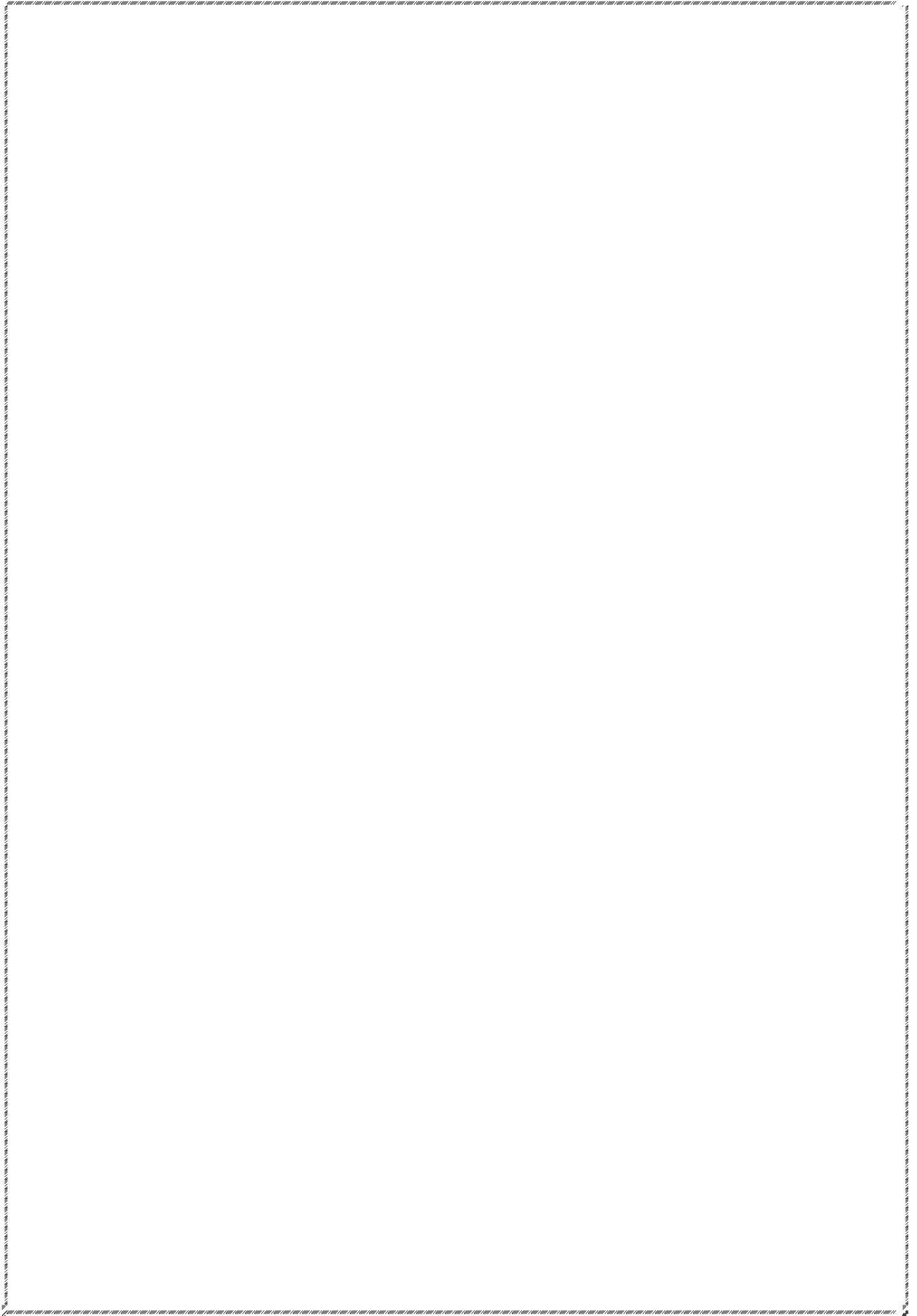
| SNO | Student Name         | class              | Signature           |
|-----|----------------------|--------------------|---------------------|
| 1   | P. Adi Lakshmi       | (11) B.com(CA) - A | P. Adi Lakshmi      |
| 2   | T. Ramu Nait         | "                  | T. Ramu Nait        |
| 3   | lavanya lakshmi sree | "                  | B. lavanya C.S      |
| 4   | Shaik Subhani        | "                  | Sk. Subhani         |
| 5   | P. Ramya             | "                  | P. Ramya            |
| 6   | D. Siva nagakiran.   | "                  | D. Siva Nagakiran   |
| 7   | P. Kusuma Priya      | "                  | P. Kusuma priya     |
| 8   | K. Anitha            | "                  | K. Anitha.          |
| 9   | P. Sai Manoj         | "                  | P. Saitaneni        |
| 10  | Y. Hima Bindhu       | "                  | Y. Hima Bindu       |
| 11  | D. Lokesh Reddy      | "                  | T. Lokesh Reddy     |
| 12  | B. Ganesh            | "                  | B. Ganesh           |
| 13  | k. Jnardhana Rao     | "                  | K. Jnardhana Rao    |
| 14  | k. Suresh            | "                  | G. Srinivas Rao     |
| 15  | G. Srinu             | "                  | G. Srinu            |
| 16  | D. Mahesh.           | "                  | D. Mahesh           |
| 17  | L. Venkatesh         | "                  | Venkatesh           |
| 18  | D. Vaswanthpaul      | "                  | D. Vaswanth paul    |
| 19  | U. Sravani Lakshmi   | "                  | U. Sravani          |
| 20  | Mohammed Hassena     | "                  | MD. Hassena         |
| 21  | P. Durga Bharani     | "                  | P. Durga Bharani    |
| 22  | L. Ajay Krishna.     | "                  | L. Ajay Krishna     |
| 23  | k. Jagdish.          | "                  | Jagdish             |
| 24  | P. Leela Ratna mani  | "                  | P. Leela Ratna Mani |
| 25  | Shaik Baji           | "                  | SK. Baji            |
| 26  | k. Srinivasa Rao     | "                  | K. Srinivas Rao     |
| 27  | K. Amma Sai Raju.    | "                  | K. Amma Sai Raju    |
| 28  | K. Hema Bhargavi     | "                  | K. Hema Bhargavi    |
| 29  | v. Kishore Babu.     | "                  | v. Kishore          |
| 30  | Y. Sumanth.          | "                  | Y. Sumanth          |

| S.No | Student                  | class             | Signature          |
|------|--------------------------|-------------------|--------------------|
| 31.  | V. Sruthi                | (III) B.com(CA)-A | V. Sruthi          |
| 32.  | K. Raghunadh             | "                 | K. Raghunadh       |
| 33.  | R. Lokesh                | "                 | R. Lokesh          |
| 34.  | G. Divya                 | "                 | G. Divya           |
| 35.  | M. Naga Haritha.         | "                 | M. Naga Haritha.   |
| 36.  | U. Samuel                | "                 | U. Samuel          |
| 37.  | Shaik Mahaboobay Subhani | "                 | Sk. Subhani        |
| 38.  | K. Sanjay                | "                 | K. Sanjay          |
| 39.  | S. Nani                  | "                 | S. Nani            |
| 40.  | D. Hari Leela.           | "                 | D. Hari Leela      |
| 41.  | R. Srishta               | "                 | R. Srishta         |
| 42.  | D. Kaushik.              | "                 | D. Kaushik         |
| 43.  | Shaik Wiyaz              | "                 | D. Kaushik         |
| 44.  | D. Gowthami              | "                 | D. Gowthami        |
| 45.  | Ch. Syam Kumar           | "                 | CH. SYAM KUMAR     |
| 46.  | K. Suguna.               | "                 | K. Suguna          |
| 47.  | A. Chandra Sekhar        | "                 | A. Chandr Sekhar   |
| 48.  | S. Vyshnavi              | "                 | S. Vyshnavi.       |
| 49.  | P. Prem Kumar            | "                 | P. Prem Kumar      |
| 50.  | S. Thirupathama          | "                 | S. Thirupathamma.  |
| 51.  | M. Anil Kumar.           | "                 | <del>M. Anil</del> |
| 52.  | L. Rakesh                | "                 | L. Rakesh          |
| 53.  |                          |                   |                    |

  
 G. Karun  
 M. Shrinidhi

B. S. N. Rao  
 P. V. N. Murthy

  
 B. Pruthi



**BRIEF REPORT ON SHAR, PULCAT LAKE & SRICITY (SEZ)  
EDUCATIONAL TOUR**

**CONDUCTED BY**

**DEPT OF ECONOMICS  
SRR & CVR GOVT. DEGREE COLLEGE,  
VIJAYAWADA**

**Date: 26-02-2019 to 27-02-2019**



**SUBMITTED**

**BY**



**N JOHN SUKUMAR  
TOUR CONVENER  
HOD, DEPT OF ECONOMICS  
SRR & CVR GOVT. DEGREE COLLEGE (A), VIJAYAWADA**

## **BRIEF REPORT ON SHAR, PULCAT LAKE & SRICITY (SEZ) EDUCATIONAL TOUR**

Education Tour offers an opportunity for a rich immersion experience and tremendous way to facilitate learning. In educational tour, students have the chance to experience and explore much deeper level than they ever could in the class room. Therefore the Department of Economics, SRR & CVR Govt. Degree College, Vijayawada, Krishna district organized an educational tour to SHAR, Pulicat Lake and Sricity (SEZ) on 26<sup>th</sup> and 27<sup>th</sup> February, 2019. This was a great idea of Dr. Velaga Joshi, The principal of SRR & CVR Govt. Degree College, Vijayawada. This idea implemented by the staff members of Department of Economics. Thirty Eight students of which 11 were girls and 27 were boys from our department went for the tour accompanied by seven faculty members, Sri. N. John sukumar (HOD, Department of Economics) as a convener.

**Pre planning and preparation:** Success of every event is depends upon the strong planning and coordination. So we have given maximum time and used highest resources to plan educational tour for our students.

**Selection of location:** It is very important in the prospect of all the essential aspects as part of curriculum, education, inspirational and motivation. Keeping all factors in mind our faculty and students together decided to go to SHAR, Pulicat Lake and Sricity (SEZ).



**Letter to higher officials of SHAR for**

**Permission:** After selecting the place we have drafted the letter to SHAR officials for granting permission to visit the national importance and highly secured placed. After one month we got the permission from the officials and the date was decided on 26<sup>th</sup> February 2019.

**Train booking:** After taking final nomination Sri. N John Sukumar and co booked train tickets with student concession from Vijayawada to Sullurpet in Andaman express and from Sullurpet to Vijayawada in Circar express.

**Bus Booking in Sullurpet:** We booked very comfortable bus of PNR travels for One day to see SHAR, Pulicat Lake and Sricity (SEZ) well in advance.

**Accommodation Breakfast and Dinner:** We have booked rooms in Railway retiring rooms well in advance. Breakfast and dinner is arranged by the tour convener. Lunch is arranged at Zero point, SHAR with concessional rates with the help of Sagar and other local Employees.

## Objectives of the tour

The specific objectives of the tour are

1. **Real world experience:** Students practice their skills and critical thinking abilities outside of the controlled class rooms and he/she able to learn real world lessons.
2. **Socialization:** Taking students into a new environment give us the experience of travelling in a group teaches us to socialize and to be respectable of the places we visit.
3. **Reinforcement:** The tour can reinforce what a teacher has been instructing in class room about the subject and help students understand the topic better.
4. **Bonding:** students may be spend much of the trip day in small groups observing, chatting and learning about each other, and it will form a new bond among the students.
5. **Fun:** Students have fun and enjoyment with their friends and they also may return to the class room with a renewed focus with their college work.

## Significance of the tour:

The educational tour provided valuable learning opportunities away from the class room without using the text books and other normal college setting. BY coming into direct contact with different environment student can better understand their place in the community and develop openness to differences in others.

## Tour proceedings

**26<sup>th</sup> February 2019:** All the thirty seven students and Seven staff members presented in SRR & CVR Govt. Degree College, Vijayawada at 5:30PM. All the students gathered at Sri Viswanatha



kala vedika and Dr. velaga Joshi garu gave them some instructions about the tour and each and every student is given the instructions paper prepared by tour management. We had a photo session with principal, staff and the students.

Then we have divided the students into seven groups. Each group is headed by one faculty member.

Then we went to Vijayawada Railway station at 10 PM by local autos and we got into the train at 1.00 AM on 26<sup>th</sup> AM.

Train started at exactly 01:10 AM. It's a few hours journey to reach Sullurpet railway station. It took 8 Hours to reach our destination. We reached Sullurpet on 26<sup>th</sup> Morning at 8:30 AM.

### **26<sup>th</sup> February 2019 (Tuesday):**

All the students and staff members completed their morning activities and had their breakfast in the station itself. PNR bus came to rail station at 8:30 AM. We kept our luggage in the rooms and rush up to see SHAR and reached SHAR Main gate at 9:30 AM.

After several security checks and administrative formalities, Students were taken to a central building. In this place, they were shown a video – ‘Gateway to Space’ – on the ISRO, its history, and the current facilities available.

### **THE ‘GATEWAY TO SPACE VIDEO’**

The GSLV and PSLV are the two launch vehicles used currently by ISRO to launch satellites into the geosynchronous and polar orbits respectively. The GSLV has 3 stages – the first is a solid (fuel) stage, the second a liquid (fuel) stage and the third is a cryogenic stage. The satellites launched so far have applications such as National development/infrastructure, telecom, disaster warnings, resource management, etc

The PSLV can launch multiple satellites simultaneously at a low cost and high reliability. The various facilities at SDSC were listed and their functions are explained in brief. Weather prediction is another important



factor at the time of launch, and the SHAR boasts of this facility too. The latest addition to the SDSC was the S200 propellant plant. The strap on motors, their dimensions and use were elucidated.

The countdown begins at (t-57) hours. At this time, the liquid propellants are filled into the system. At (t-16) hours, the mobile service car is withdrawn and the system is connected to the Launch and Mission control centre (which are placed 6km from the launch site) through electrical wires only. The cryogenic fuel is set around the launch site. The performance is monitored in real time. At about 17 minutes after blast off, the GSLV completes the mission – puts the satellite in geosynchronous orbit.

After this, students were taken to several locations within the SDSC, with a guide to explain the locations.

## SECOND LAUNCH PAD

This is the location that we see every time a launch is broadcast on television. The rocket is assembled and brought to the launch pad. The rocket is electrically insulated from lightning by 4 lightning protection towers. These towers also house high resolution cameras at several levels to monitor the various stages of the rocket. These cameras are protected by concrete enclosures. The launch pad itself is about 70m high. This means that the protection towers are even taller. An anchor is present to hold the rocket in place until the time of blast off.

Separate pipes are present to deliver cryogenic fuels, which are supplied at 180 degrees Celsius. Finally, there are exhaust deflection ducts which deflect the exhaust gases through underground tunnels to a place which is a few tens of metres away. In case the flame returns to the rocket, balance will be lost and the rocket may topple. The tunnels are filled with water to reduce pressure and temperature. Also, cryogenic fuel tanks are available in separate towers. Each floor in the launch pad is 4m high. This launch pad is called 'umbilical' due to the presence of the pipes which feed fuel to the rocket.

## FIRST LAUNCH PAD

Unlike the 'umbilical' type, this is a pedestal type. The whole tower moves away from the rocket just before the blast off. As there is a PSLV launch in the next month and that process was taking place at the time, entry was denied and we were allowed to see this from a distance.

## MISSION CONTROL CENTRE

The mission control is the focal point of controlling the vehicle. There are 8 'hold buttons' at different places around the range. In case of abnormalities in subsystems (affecting the health of the rocket), the hold button is used to terminate the countdown. In case the abnormality has been resolved, the first row is used to supervise the control of the launch vehicle. The second and third rows control the operations on the vehicle. Various chiefs of operations are seated in these rows. These computers are connected by Ethernet and fibre optics.

There is a separate ring safety server which is controlled by a senior scientist. In case of abnormalities in the path of the rocket, this person can detonate the rocket so that the rocket is blown up over the sea and does not affect neighboring human population. There are 45 levels of information relating to the launch of the rocket. The vehicle Director authorises the launch at (t16) minutes. An automatic sequence program checks the health of the rocket (with respect to various parameters) and ensures that any deviations in the parameters are within specific limits.

## **Pulcat Lake**

At around 2.15. P.M., we had lunch at Zero point canteen facility at SHAR with concessional rates. After having our Lunch, at around 2.30 P.M we moved to see Pulicat Lake and we have spent 1 hour there. Students were much disappointed because of the present condition of Pulicat lake which is a second largest salt lake in India with a rich heritage of 125 types of rare species and thousand of fishermen's lively hood is in danger and looks like desert and no water is presented in the lake,

**Sricity (SEZ):** Around 3:30 We moved from Pulicat lake and reached Sricity a Special Economic Zone in Andhra Pradesh. This is the place where our students get enriched with the knowledge that how this Economic zone is planned and the facilities that was given to the multinational companies. Nearly 175 Multinational Companies are functioned here.



**Returned to Railway Station:** After visiting SEZ we came back to Sullurpet Railway station at 6:3Pm and we got in to the train at7:30Pm and finished our dinner in train itself. We reached Vijayawada on 27<sup>th</sup> February at 4 AM.

## **Recommendations**

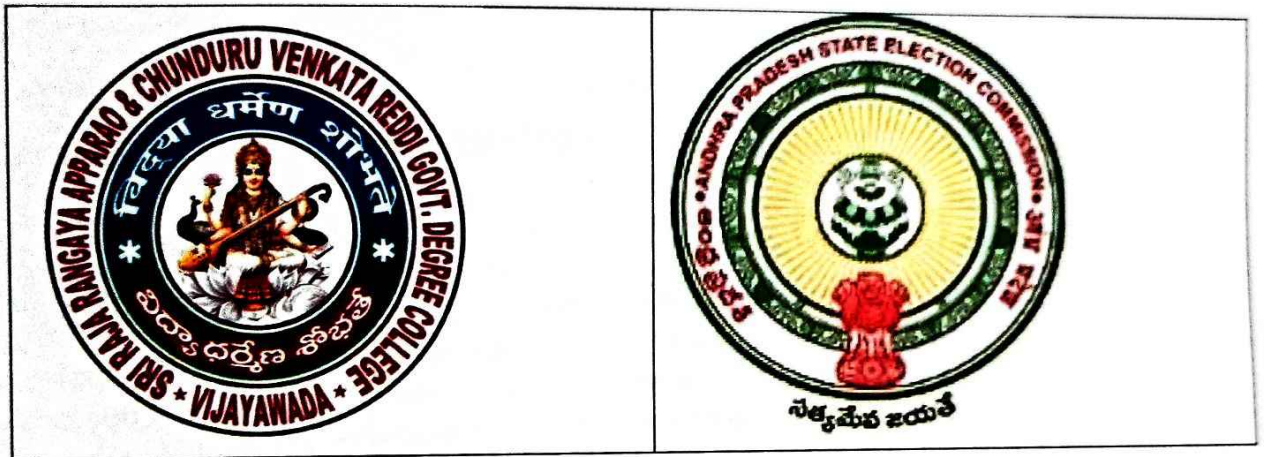
1. It is better to arrange two days of tour to visit this place One day is not sufficient.

**Feedback from the students:** Students were very satisfied with the places selected by the department. Students loved the journey to SHAR. They were amazing in watching the places in SHAR. They were very impressed regarding the facilities provided to the companies in Sricity.

This was the learning as well as fun oriented trip for all students. Various inner hidden skills like leadership, creativity, singing, music etc., came out during this trip. It was unforgettable experience for all of them. They have requested to go for similar educational tour on regular basis and had shown their sincere gratitude towards Principal Dr. Velaga Joshi Garu, Sagar local guide, Elisha, Raman and Suresh helped us a lot in the tour.

**SRR AND CVR GOVERNMENT DEGREE COLLEGE(A), VIJAYAWADA  
KRISHNA DISTRICT, A.P**

**DEPARTMENT OF ENGLISH**



**DEPARTMENT OF ENGLISH**

FIELD TRIP : 2018-2019

DATE: 08-11-2018

05-11-2018

Vijayawada.

To

The Principal,

SRR & CVR GOVT DEGREE COLLEGE,

Vijayawada.

From

3<sup>rd</sup> B.A (EPJ) & MA English Literature,

Department of English.

Respected Sir,

Subject: A Request for the field trip regarding.

We, the students of B.A 3<sup>rd</sup> year (EPJ) & MA English Literature from the Department of English, have planned a field trip on 8<sup>th</sup> Nov, 2018 under supervision of our English lecturers. We submit the following for your kind consideration.

M.A students

- 1) D Madhuri *D. madhuri*
- 2) Ch. Mouinika *Ch. Mouinika*
- 3) K. Prabhu Prakash *K. Prabhu Prakash*
- 4) N. Bala Raju *N. Bala Raju*
- 5) T. Prem Kumar *T. Prem Kumar*
- 6) G. Prem Kumar *G. Prem Kumar*

B.A Students (EPJ)

- 1) M. Gowtham Swarup *M. Gowtham Swarup*
- 2) M. Kumar *M. Kumar*
- 3) P. Naveen *P. Naveen*
- 4) S. Suman Raju *S. Suman Raju*
- 5) M. Samuel *M. Samuel*
- 6) D. Vamsi
- 7) A. Ramanjaneyulu
- 8) L. Sasi Kumar
- 9) N. Charan
- 10) T. Tejaswi *T. Tejaswi*
- 11) K. Jyothi

*K.L.C. DeW*

Thanking you sir,

DEPARTMENT OF ENGLISH  
S.R.R. & C.V.R. GOVT. DEGREE COLLEGE (A)  
Machavaram, VIJAYAWADA-4. A.P.

Yours faithfully,

3<sup>rd</sup> BA (EPJ) & MA English Literature Students.

*[Signature]*  
PRINCIPAL

SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA - 520 004.

Vijayawada,  
Date: 5 - 11 - 2018.

To  
The Principal  
S R R & C V R Government Degree College (Autonomous)  
Machavaram, Vijayawada  
Krishna District, A. P.

From  
K. L. C. Devi  
In- Charge, Department of English  
S R R & C V R Government Degree College (Autonomous)  
Machavaram, Vijayawada  
Krishna District, A. P.

Respected Sir,

Sub: A Request for Field Trip - Regarding.

Sir, we submit the following for your kind consideration. As the Students of 3 rd B. A. (EPJ) and M. A. (English) have requested for permission to have a Field Trip on 8-11-2018 (Thursday), from 10 AM to 4 PM, to Mango Orchard near Gannavaram. As such, we planned accordingly. We request you to sanction your permission for the same. We take care of discipline and security of the Students.

1. Dr. G. Thirupathiah.

2. Smt. A. Subhashini.

5. Smt. V. Aruna Kumari.

7. Sri Kumar Raja.

2. Smt. D. Rajya Lakshmi.


4. Smt. J. Ratna Vinola.

6. Smt. D. Samatha.

8. Sri Stephen.

This is for your kind consideration Sir.

Thanking you Sir,

  
K. L. C. Devi, In- Charge, Dept of English)

  
Principal  
SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA - 520 004.

Vijayawada,  
Date: 5 - 11 - 2018.

|   |   |
|---|---|
| To<br>Smt. K. L. C. Devi<br>In- Charge, Department of English<br>S R R & C V R Government Degree<br>College (Autonomous)<br>Machavaram, Vijayawada<br>Krishna District, A. P. | From<br>The Students of 3 <sup>rd</sup> B. A. (E P J) and M.A. (English)<br>Department of English<br>S R R & C V R Government Degree College<br>(Autonomous)<br>Machavaram, Vijayawada<br>Krishna District, A. P. |
|---|---|

Respected Madam,

Sub: A Request for Field Trip - Regarding.

Madam, we submit the following for your kind consideration. We, the Students of 3<sup>rd</sup> B. A. (EPJ) and M. A. (English) request you to kindly grant permission to have a Field Trip on 8-11-2018 (Thursday), from 10 AM to 4 PM, to Mango Orchard near Gannavaram. As such, we request the Lecturers of English Dept. to accompany us for safety and security. We assure you that we maintain discipline, decency and well behaved conduct during this Field Trip. We abide by the instructions of all the Lecturers.

| Students of 3 <sup>rd</sup> B. A. (EPJ) |                     |               | Students of M. A. (English) |                     |                |
|---|---------------------|---------------|-----------------------------|---------------------|----------------|
| SNo                                     | Name of the Student | Signature     | SNo                         | Name of the Student | Signature      |
| 1                                       | M. Samuel           | Samuel        | 1                           | G. PREM KOMAR       | G. Prem Kumar  |
| 2                                       | K. Tejaswi          | Tejaswi       | 2                           | D. madhusi          | D. madhusi     |
| 3                                       | M. Kumar            | Kumar         | 3                           | Ch. Nounika         | Ch. Nounika    |
| 4                                       | P. Naveen           | Naveen        | 4                           | N. Bala Raju        | N. Balaji      |
| 5                                       | S. Suman Raju       | S. Suman Raju | 5                           | K. Prabhakaran      | K. Prabhakaran |
| 6                                       | M. Gautham          | Gautham       | 6                           | M. Gautham          | Gautham        |
| 7                                       |                     |               | 7                           |                     |                |
| 8                                       |                     |               | 8                           |                     |                |
| 9                                       |                     |               | 9                           |                     |                |
| 10                                      |                     |               | 10                          |                     |                |
| 11                                      |                     |               |                             |                     |                |
| 12                                      |                     |               |                             |                     |                |
| 13                                      |                     |               |                             |                     |                |
| 14                                      |                     |               |                             |                     |                |
| 15                                      |                     |               |                             |                     |                |

Thanking you Madam,  
The Students of 3<sup>rd</sup> B. A. (E P J) and M.A. (English)  
Department of English

**S.R.R AND C.V.R GOVERNMENT DEGREE COLLEGE(A),  
VIJAYAWADA**

**DEPARTMENT OF ENGLISH**

**FIELD TRIP: NATURE VISIT TO GANNAVARAM MANGO ORCHIDS**

**DATE: 08-11-2018**

**OBJECTIVES OF FIELD TRIP: NATURE VISIT TO GANNAVARAM  
MANGO ORCHIDS**

- 1.To encourage the students to understand the importance of Nature in connection with human life and therefore to appreciate through Literature.
- 2.To encourage the students to appreciate Nature poetry, Nature poets and develop aesthetic sense in the appreciation of Literature.
- 3.To motivate the students to read literature and develop aptitude towards Nature as a theme of Literature.
- 4.To enable the students to practice all genres of literature to develop their hobbies in language skills and the skills of literature such as writing.
- 5.To enable the students to review the previous knowledge of Nature Poetry so as to follow in their practice.

**OUTCOMES OF FIELD TRIP: NATURE VISIT TO GANNAVARAM  
MANGO ORCHIDS**

- 1.The students understand the importance of Nature in connection with human life to appreciate through Literature, such as poetry, prose, drama, novel etc..
- 2.The students appreciate Nature poetry and Nature poets such as William Wordsworth, S.T.Coleridge and others. The students develop aesthetic sense in the appreciation of Literature.
- 3.The students extensively read literature and develop aptitude towards Nature as a theme of Literature.
- 4.The students practice all genres of literature to develop their hobbies in language skills and the skills of literature such as writing.
- 5.The students to review the previous knowledge of Nature Poetry so as to follow in their practice.

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**S.R.R AND C.V.R GOVERNMENT DEGREE COLLEGE(A),  
VIJAYAWADA**

**DEPARTMENT OF ENGLISH**

**FIELD TRIP: NATURE VISIT TO GANNAVARAM MANGO ORCHIDS**

**DATE: 08-11-2018**

Field Trip to visit Nature is a good opportunity for students to understand the importance of Nature in connection with human life. The students therefore appreciate Nature through their study of Literature.

The students by their Field Trip to visit Nature appreciate Nature poetry, Nature poets and develop aesthetic sense and greatly appreciate Literature Studies.

The department of English arranged a field trip to Gannavaram Mango Orchids on 8<sup>th</sup> November 2018 and motivated the students of UG and PG, General English and Special English to read Literature and develop aptitude towards Nature as a theme of Literature.

So that the students practice all genres of literature in their studies to develop their hobbies in language skills and in the skills of literature such as reading, writing etc...

Also the students get enabled to review the previous knowledge of Nature Poetry so as to follow in their practice.

The students were motivated by the lecturers to understand the importance of Nature in connection with human life to appreciate through Literature, such as poetry, prose, drama, novel etc..

The students appreciated Nature poetry and Nature poets such as William Wordsworth, John Keats, P. B. Shelley, S.T. Coleridge and others. The students developed aesthetic sense in the appreciation of Literature.

The students learnt that they have to extensively read literature and develop aptitude towards Nature as a theme of Literature.

The students also were happy that they could practice all genres of literature to develop their hobbies in language skills and the skills of literature such as writing.

The students also reviewed the previous knowledge of Nature Poetry so as to follow in their future practice.

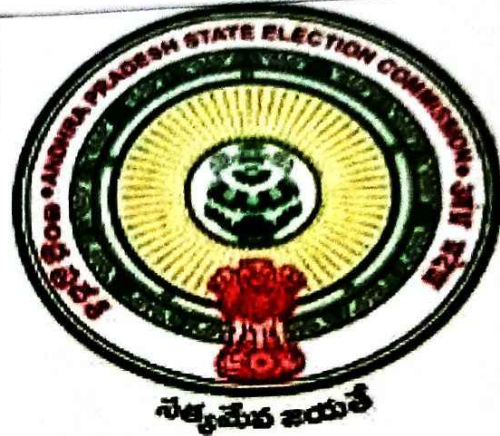
**Literature Discussed during the Field Visit:**

1. The Solitary Reaper by William Wordsworth
2. Daffodils by William Wordsworth
3. Ode to West Wind by P.B. Shelley
4. Ode to a Nightingale by John Keats

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SRR AND CVR GOVERNMENT DEGREE COLLEGE(A), VIJAYAWADA  
KRISHNA DISTRICT, A.P  
DEPARTMENT OF ENGLISH



DEPARTMENT OF ENGLISH

: 2018-2019

DATE: 08-12-2018

Field Trip to Historical city  
warangal

S R R & C V R GOVT DEGREE  
COLLEGE (A), Dept. of English  
FIELD TRIP to the historical  
city Warangal (Telangana)

Date: 08-12-2018

Purpose: creative writing  
Descriptions, Narrations,  
Poetry writing etc...  
Study of Literary Ages  
Staff Attended:

1. Mrs K.L.C DEVI
2. Mrs A. ROSALINDO
3. Dr. G. THIRUPATHI
4. Mrs A. SUBHASHINI
5. Mrs V. ARUNA KUMARI
6. Mrs D. RAJYALAKSHMI
7. Mrs. D. SAMATHA
8. Mr. R. KUMAR RAJA

| Students Attended    |               | Sig | CLASS    |
|----------------------|---------------|-----|----------|
| 1. RAMAJANEYULU      | Ramya         | II  | B.A. Eng |
| 2. TRIVENI KUMAR     | Trishanku     | III | B.A. Eng |
| 3. DURGARAO          | Durgarao      | I   | M.A. Eng |
| 4. VEERA LAKSHMI     | veera lakshmi | III | B.A. Eng |
| 5. MOUNIKA           | Mounika       | III | B.A. Eng |
| 6. TENALI PREM KUMAR | T. Prem Kumar | III | B.A. Eng |
| 7. GUNTUR PREM KUMAR | G. Prem Kumar | I   | M.A. Eng |
| 8. HAVEEN            | haveen        | III | B.A. Eng |
| 9. MADHURI           | Madhuri       | I   | M.A. Eng |

**S.R.R AND C.V.R GOVERNMENT DEGREE COLLEGE(A),  
VIJAYAWADA DEPARTMENT OF ENGLISH**

**FIELD TRIP: HISTORICAL VISIT TOWARANGAL**

**DATE: 8-12-2018**

**OBJECTIVES OF FIELD TRIP: HISTORICAL VISIT TO WARANGAL**

- 1.To encourage the students to understand the importance of historical places like Warangal Fort and therefore to appreciate through Literature.
- 2.To experience, visualize and encourage partaking of students in an enjoyable learning experience
- 3.To motivate the students to read literature and develop aptitude towards history and architecture of Warangal Fort as a theme of Literature.
- 4.To enable the students to practice all genres of literature to develop their hobbies in language skills and the skills of literature such as writing poems, essays, reports on Warangal Fort.
- 5.To enable the students to add more value to their aesthetic sense by exposing to different environment.

**OUTCOMES OF FIELD TRIP: HISTORICAL VISIT TO WARANGAL**

- 1.The students understand the importance of history of Kakatiya dynasty and the monuments left by them and appreciate through Literature, such as poetry, prose, drama, novel etc..
- 2.The students appreciate historical poetry and historical poems writers such as P,B,Shelley, John Keats, Thomas Hardy etc. The students develop aesthetic sense in the appreciation of Literature.
- 3.The students extensively read literature and develop aptitude towards history as a theme of Literature.
- 4.The students practice all genres of literature to develop their hobbies in language skills and the skills of literature such as writing.
- 5.The students to review the previous knowledge of historical Poetry so as to follow in their practice.

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**S.R.R AND C.V.R GOVERNMENT DEGREE COLLEGE(A),  
VIJAYAWADA**

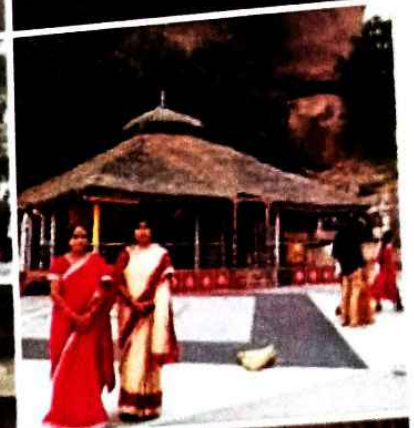
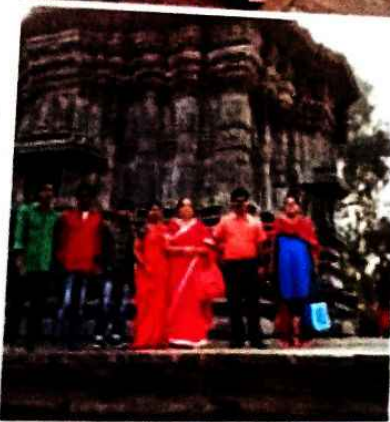
**DEPARTMENT OF ENGLISH**

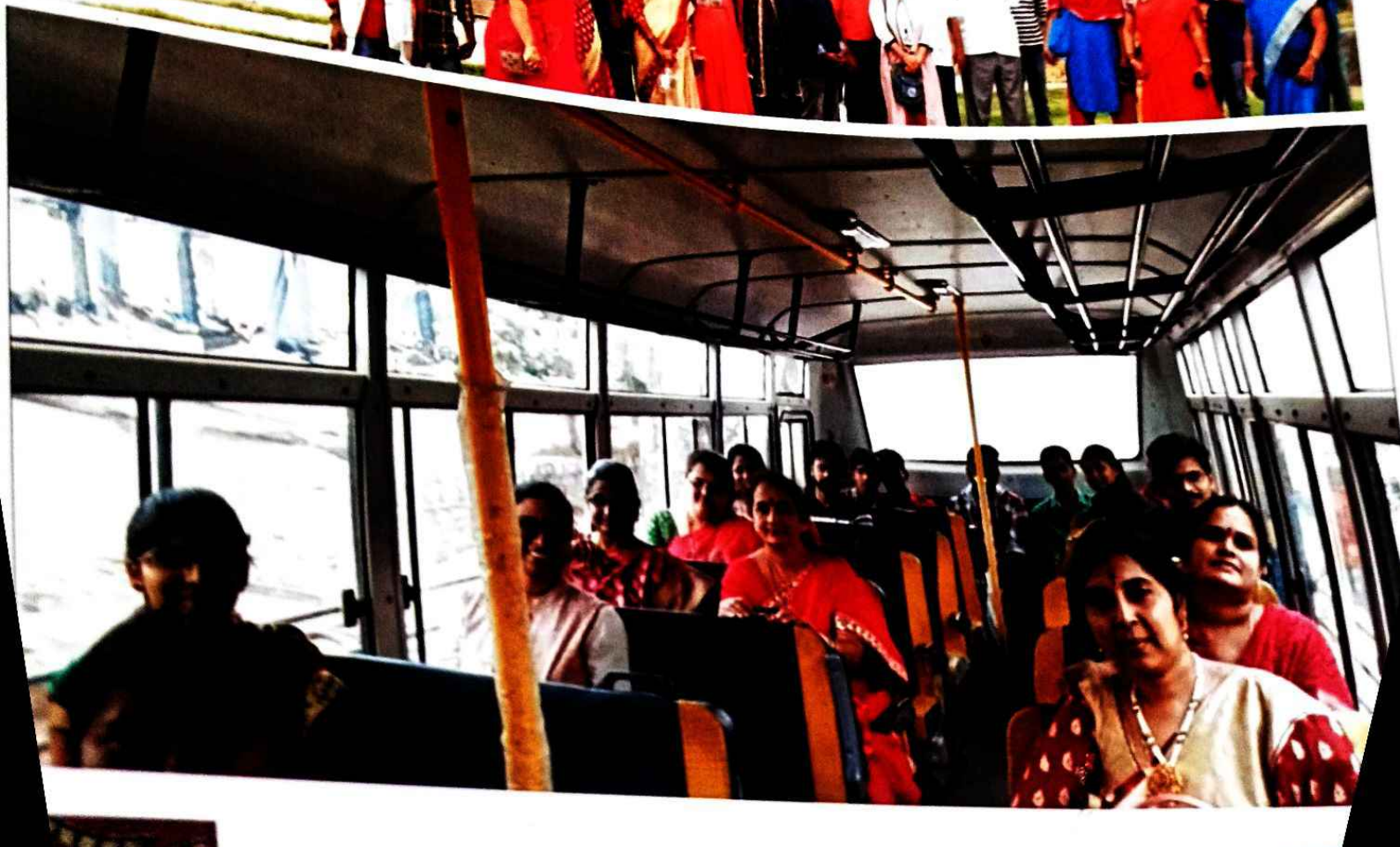
**FIELD TRIP: Historical Visit to Warangal on 8-12-2018**

The Department of English took the students of III B.A Special English to FieldTrip on 8-12-2018 to Warangal. The mode of Journey is by train where all the students started at 6'0 clock and reached Warangal at 10'0 clock. The places visited are Warangal Fort of Kakatiya dynasty, Ramappa Temple, Thousand pillar temple etc. The total number of students are 30. K.L.C.Devi, H.O.D of English Department, the lecturers A.Rosalind, A.Subhashini, D.Rajya Lakshmi, Tirupathaiah, Aruna, D,Samatha and Stephen accompanied the students. The students have actively participated in the Field trip. The students learnt that they have to extensively read literature and develop aptitude towards History as a theme of Literature. The students also were happy that they could practice all genres of literature to develop their hobbies in language skills and the skills of literature such as writing. The students also reviewed the previous knowledge of Historical Poetry so as to follow in their future practice.

**Literature Discussed during the Field Visit:**

1. Ozymandias by P.B.Shelley
2. Ode on Grecian Urn
3. Yesterday is History by Emily Dickenson
4. A Spell bound Palace by Thomas Hardy.





## FIELD VISIT TO KONDAPALLI FORT

Date: 25-2-2019

Number of students participated:23

Class:III BA

Purpost: As a part of Cluster Project

Outcome of the Program: Students studied the history of the fort. They enjoyed the trip and appreciated the grandeur of the place.



M Susheela Rao Head of the department along with the III BA Students

**SRR & CVR GOVT. DEGREE COLLEGE (A) VIJAYAWADA**

**DEPARTMENT OF MICROBIOLOGY**

**2018-2019**



**Field/Laboratory Visit**

**To**



**Biofertilizer Laboratory, ARS, ANGRAU, Amaravati,  
Guntur, Andhra Pradesh.**

**February 21<sup>st</sup> 2019**



# SRR & CVR GOVT. DEGREE COLLEGE

(Autonomous)

NAAC accredited with 'B+' Grade

Machavaram, Vijayawada – 520 004, Krishna District.

Cell: 94922 34488 Ph: 0866-2430060 Fax: 0866-2441092 www.srrcvt.org srrandcvt@gmail.com



**Dr. Velaga Joshi**, Principal

M.A.(Phil), M.A.(His), M.A. (M.C.J.), B.L., M.Phil., Ph.D.

To

The Director,  
ARS, ANGRAU,  
Amaravati  
Guntur  
Andhra Pradesh  
PIN-522302

10.02.19

Sir,

Sub: Request for permission of our Microbiology students to visit your reputed company – regd.,

With reference to above subject, as part of Degree course curriculum, the students of our college who are studying Microbiology need to Biofertilizer Production Unit as a part of the curriculum. Hence I request you kindly permit 20 students of our college to visit your reputed company in your convenient date and time.

Your kind permission to visit Biofertilizer Laboratory is more useful to upgrade knowledge & skill of student community.

Thanking You.



Yours Truly,

  
Principal-

# **SRR & CVR GOVT. DEGREE COLLEGE (A) Vijayawada**

## **Department of Microbiology**

### **Activity Register 2018-2019**

|   |  |
|---|--|
| Date  | 21-02-2019   |
| Conducted through<br>(DRC/JKC/ELF/NCC/NSS/Departments etc.) | <b>Department of Microbiology</b>  |
| Nature of Activity(Seminar/Workshop/Extn. Lecture etc.,)    | <b>Field Visit</b>   |
| Title of the Activity                                       | Field Visit to Bio fertilizer Laboratory, ARS, ANGRAU, Amaravati, Guntur, Andhra Pradesh.  |
| Name of the Department/Committee                            | Department of Microbiology   |
| No. of students participated                                | 17 II BSc MBC  |
| Brief Report on the activity                                | The Department of Microbiology has Organized Field Visit to Bio fertilizer Laboratory, ARS, ANGRAU, Amaravati, Guntur, Andhra Pradesh, for II BSC MBC on <b>21-02-2019</b> . This laboratory produces different types of biofertilizer for increasing crop production level, to improve soil fertility status to minimize human health hazards problems, to minimize the use of chemical fertilizers to provide organic forming/ organic agriculture and to minimize environmental pollution and to conserve natural eco systems in an eco-friendly way. |
| Name of the Lecturers who Planned & conducted the activity  | Dr .D .Jyothi and Mrs Dorcas Anand   |
| Signature of the In- Charge                                 |   |
| Signature of the Principal                                  |    |

# Report

## **Field trip to Biofertilizer Laboratory, ARS, ANGRAU, Amaravati, Guntur, Andhra Pradesh.**

As a part of the curriculum, students of **II B.Sc (MBC)** Microbiology visited Biofertilizer Laboratory ARS, ANGRAU, Amaravathi, and Guntur on 21/02/2019. It is one of the most important producers of biofertilizers in the State under the Department of the Agriculture with a capacity to produce 20 to 25 metric tons of different types of Biofertilizers annually to supplement the use of chemical fertilizers considerably.

### **Aim and Objectives of the Laboratory:**

Realization of the adverse effect caused by using excessive and continuous use of chemical fertilizers and other synthetic agricultural inputs that which leads to depletion or degradation of soil fertility status, environmental pollution, human health hazards at the same time destruction of natural ecosystem.

Dr K Lakshmipathy , Senior Scientist , In charge Biofertilizer laboratory guided us to learn the aim and objectives of the laboratory . Different types of Biofertilizers produced in the lab and benefits and usage of Biofertilizers. Sir explained about isolation and mass multiplication of various biofertilizers viz *Rhizobium*, *Azotobacter*, *Azospirillum*, YAM and Phosphate solubilizing bacteria

### **Biofertilizers:**

Biofertilizers are carrier-based preparation containing live or latent cells of effective strains of bacteria or fungi. They help in fixing or solubilizing the nutrients present in air or in the soil which is then made available to the plants.

### **Different types of biofertilizers produced in the laboratory**

1. **Rhizobium:** It is a Nitrogen fixer. It uses for legume crops like pulses and oil seed crops like soya beans and groundnut. Rhizobium is crop specific.
2. **Azotobacter:** It uses for cereal crops vegetables crops, oil seed crops, plantation crops, fruit crop and flowers.
3. **Azospirillum:** It uses for cereal crops vegetables crops, oil seed crops, plantation crops, fruit crop and flowers.
4. **Phosphate Solubilizing Microorganisms:** It uses in all crops, along with nitrogenous biofertilizers

### **Benefits of biofertilizers:**

1. Biofertilizers reduce the use of synthetic fertilizers and pesticides
2. Biofertilizers provide protection against drought and some soil borne diseases.
3. Biofertilizers also promote healthy soil, leading to greater farming sustainability.

**Outcome of the trip:**

We understand that Biofertilizers are living organisms of bacteria, fungi and algal origin, which can help plants to absorb nutrients, fix atmospheric nitrogen in the soil and solubilize the insoluble forms of phosphates into available form and mineralization.



**Dr K Lakshmi pathy, Senior Scientist, ARS, ANGRAU, Amaravati, Guntur Addressing the Students dated 21-02-2019**



**Biofertilizer Laboratory, ARS, ANGRAU, Amaravati, Guntur, Andhra Pradesh**

## **ACKNOWLEDGEMENTS**

We express our deep sense of gratitude to Dr. Velaga. Joshi, Principal SRR & CVR Govt. Degree College Autonomous, Vijayawada for his support and constant encouragement to upgrade the knowledge and skills of students

WE indebted to **Biofertilizer Laboratory, ARS, ANGRAU, Amaravati, Guntur, Andhra Pradesh** for permitting the students III BSc (MBC), **SRR & CVR GOVT.** Degree College Autonomous, **VIJAYAWADA**

We wish to express my sincere thanks to **Dr K Lakshmipathy, Senior Scientist, ARS, ANGRAU, Amaravati, Guntur** guided students to learn the aim and objectives of the laboratory. Different types of Biofertilizers produced in the lab, benefits and usage.

In Charge Dept of Microbiology

*D. Jyothi*



*Principal*

SRR and CVR Govt Degree College (A), Vijayawada

Department of Microbiology

Students Attended

Title of the Activity: Field visit- to Biofertilizer Laboratory, ARS  
ANGRAU, Amaraavathi, Guntur, AP

Class: II Bsc MBC

Date: 21-02-2019

| S No | Name of the Student        | Signature          |
|------|----------------------------|--------------------|
| 1    | Puppalla. Lavanya          | Lavanya            |
| 2    | Gundu. Sai                 | Sai                |
| 3    | Matta. Naveen              | N. Naveen          |
| 4    | Boliseti. Teja Naga Sai    | Teja Naga Sai      |
| 5    | Munipalli. Ravi Teja       | Ravi Teja          |
| 6    | Miriyala Vyshnavi          | Vyshnavi           |
| 7    | Gunturu Bhanu Durga Prasad | Bhanu Durga Prasad |
| 8    | Guttigunde. Pavithra       | Pavithra           |
| 9    | Gogulamudi. Surya Prakash  | Surya Prakash      |
| 10   | Periseti. Revanth          | Revanth            |
| 11   | Puppala. Lalitha           | Lalitha            |
| 12   | Burugu. Viswas             | Viswas             |
| 13   | Kesampalli. Pavani         | Pavani             |
| 14   | Dasari. Chandrika          | Chandrika          |
| 15   | Guruvelli. Neeraja         | Neeraja            |
| 16   | Dasari. Keerthi            | Keerthi            |
| 17   | Gummapu. Rohit Nanda       | Rohit              |



SRR & CVR GOVERNMENT DEGREE COLLEGE  
VIJAYAWADA, KRISHAN  
DIST., A.P.NAAC  
B+GRADE (CGPA:2.60)



DEPARTMENT OF MICROBIOLOGY

TECH – 2018  
VISA KHAPATNAM  
**(UNESCO)**

Proceedings of the Special Commissioner of Collegiate Education::A.P Vijayawada.

Pr.Rc.No.01/TECH-2018/2018

Dt. 12.11.2018.

Sub:-Education Department-UNESCO-MGIEP- Conduct of Conference “  
Transforming Education for Humanity (TECH)-2018 – permission  
to relieve the Lecturers for participation to the Conference –held at  
Visakhapatnam-Orders-Issued.

Ref:-1) Government Lr.Rc.NO.,736759/CE.A2/2017 Dt.1.5.2018.

2) Rc.No.1/TECH-2018- Academic Cell/2018 Dt.27.9.2018.

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The Government of Andhra Pradesh in collaboration with UNESCO-MGIEP is conducting a conference on “ Transforming Education for Humanity(TECH) at Novotel, Visakhapatnam from 14<sup>th</sup> - 17<sup>th</sup> November, Government has nominated the Special Commissioner of Collegiate Education AP, Vijayawada as Nodal Officer for this conference.

In the reference 2<sup>nd</sup> read above all the Principals of Government Degree Colleges in the State have been requested to send the names of the Participants for the event of pre conference work shop from 13<sup>th</sup> &14<sup>th</sup> November, 2018 @15 participants and @25 participants respectively, and for main TECH conference from 15<sup>th</sup> to 17<sup>th</sup> November ,2018 @ 75 participants per day. It was also informed that out of 225 participants, in all three days @75 per day, are allotted to attend any one of the days for TECH-2018 between 15<sup>th</sup>-17<sup>th</sup> November-2018.

Therefore, Principals of Government Degree Colleges in the State are here by directed to relieve the Lecturers for their participation to the TECH-2018 conference to be held at NOVOTEL Visakhapatnam on the dates for which they are participating to the TECH-conference treating their absence as “ON DUTY” including the journey days and their dates of participation in the conference subject to the production of participation certificate issued by the UINESCO-MGIEP, as token of evidence that they have participated for the conference.

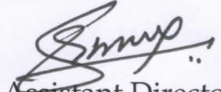
Sd/-N.Geethanjali.

For Special Commissioner of Collegiate Education.

To.

All the Principals of the Government Degree Colleges in the State.

-// True Copy attested//-

  
Assistant Director.

Attended International workshop TECH  
2018 At Visak conducted by UNESCO  
AND MGIEP 15/11/19 - 17/11/19



**SRR & CVR GOVT DEGREE COLLEGE (A)**  
**MACHAVARAM, VIJAYAWADA**

| S NO | NAME                             | DOB        | OCCUPATION                  | EMAIL-ID   | MOBILE NUMBER |
|------|----------------------------------|------------|-----------------------------|--|---------------|
| 1.   | DUNNA JYOTHI                     | 12/12/1972 | Lecturer in Botany          | Jyothisurendra.d@gmail.com   | 9440959088    |
| 2.   | CHOPPAVARAPU<br>DORCAS ANAND     | 01/07/1975 | Lecturer in<br>Microbiology | Dorcajeevan1@gmail.com   | 9014771547    |
| 3.   | VELPULA NAGA<br>LAKSHMI          | 10/01/1994 | Lecturer in Botany          | velpulalakshmis@gmail.com  | 8500837709    |
| 4.   | GUNTUR PRAVALLIKA                | 05/10/1993 | Lecturer in<br>Biochemistry | Shebahgold91221v@gmail.com   | 9985674132    |
| 5.   | KUNDA SATHVIK<br>MAHARSHI        | 24/06/1998 | Student                     | kundamaharshi@gmail.com  | 7995636329    |
| 6.   | KOVELAKUNTLA VIJAY<br>KRISHNA    | 04/06/1998 | Student                     | vijaykrishnakovelakuntla@gmail.com                                 | 7337237890    |
| 7.   | MUPPIRISETTY<br>CHAITANYA HANISH | 13/11/1997 | Student                     | chaitanyahanish@gmail.com  | 9493989830    |
| 8.   | MOHAMMAD SHAHID<br>ALI           | 05/06/1996 | Student                     | shahidalimohammad@gmail.com  | 9505252098    |
| 9.   | NAKKA ABHIGNA                    | 20/03/1998 | Student                     | Nakka.Abhi.99@gmail.com  | 8074740182    |
| 10.  | SNEHITHA<br>KANCHAPOGU           | 12/08/2000 | Student                     | Snehitha.kanchapogu@gmail.com                                      | 8179589202    |
| 11.  | MEKALA MANOHAR                   | 24/07/1998 | Student                     | Mekalamanohar98@gmail.com  | 9704333381    |
| 12.  | BURUGU VISWAS                    | 26/1/2001  | Student                     | <a href="mailto:buruguviswas@gmail.com">buruguviswas@gmail.com</a> | 8886875378    |
| 13.  | YERRA SURENDRA BABU              | 20/5/2000  | Student                     | Yerrasurendra7@gmail.com   | 8919198871    |
| 14.  | DASARI KEERTHI                   | 18/06/1998 | Student                     | keerthipulagam@gmail.com   | 7396647857    |

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**MACHAVARAM, VIJAYAWADA**

|     |                            |            |         |                                 |            |
|-----|----------------------------|------------|---------|---------------------------------|------------|
| 15. | DASARI CHANDRIKA           | 09/08/2001 | Student | chandrikaDasari795@gmail.com    | 6302959158 |
| 16. | GOGULAMUDI<br>SURYAPRAKASH | 25/10/1999 | Student | Suryaking.gm@gmail.com          | 9912561825 |
| 17. | BOLISETTI TEJA NAGA<br>SAI | 18/01/2001 | Student | btejanagasai@gmail.com          | 6303409590 |
| 18. | MUNIPALLI RAVI TEJA        | 06/05/2000 | Student | Ravitejamunipalli9542@gmail.com | 9542372346 |

# TECH

Transforming Education Conference for Humanity

# 2018

VISAKHAPATNAM



K.VIJAY KRISHNA

M.CHAITANYA HANISH

3<sup>rd</sup> Year BSc (MBC)

## TECH2018

It's impossible to learn everything by simply reading or studying it can be only achieved by the experience.

Experience makes greater than any other things to learn a new thing in a better way to their best.

The government of Andhra Pradesh state has conducted a workshop on tech 2018 by UNESCOMGIEPon 15<sup>th</sup> to 17<sup>th</sup> November at Novotel hotel in Vizag.

Our honourable chief minister Shri NaraChandra bau Naidu garu is best known for and registered name his name for technology across the globe creating a new digital state

On behalf of our college 14 students and 4 lectures grouped as a team and participated this prestigious TECH 2018(transforming education conference for humanity) CONFERENCE

It was morning 8 O'clock we started our journey from AndhraUniversity to Novotel hotel at Vizag for tech 2018 workshop

We are amazed to see various kinds of people from different countries across the globe on a common platform regarding development of technology and digitalisation of globe for future generation learning

We can confidently say that communication and interaction skills easily developed by interacting with them on a specific topic

Our Indian dynamic and coolest UNESCOdirector Dr Anantha Duraipappahalong with our honourable human resource development minister Shri Ganta Srinivasa Raosir gave his view of presentation on behalf of Andhra Pradeshregarding this three day workshop on what motto and aim it was conducted

The conference saw participation over 1000 registered delegates from over 50 countries on daily basis and witnessed highly engaging deliberations by experts in various domains related to education and technology such as gaming, social emotional and web browsing etc.

This conference mainly focused on the education learning and how technology boons or bane for world in different aspects of learning digitally and awesome interaction with CEO and founder of the companies like LinkedIn, gaming and vr companies

It is one the greatest experience in education life that should be experienced. Andi can simply pass the quote that fun and joy of learning the unknown things in a different way.

The discussions and debates in breakout sessions has done by the finest and experienced personality of the world in a way that how the future generations going to develop technology learning and digital techniques

This TECH 2018 workshop showcased the role of games and digital learning in enabling a shift from Trans missive pedagogies to transformative pedagogies to create a peaceful and sustainable societies

A good teacher can inspire a hope ignite the imagination and instil a love of learning and it is a very noble profession that shapes the character calibre and future of an individual

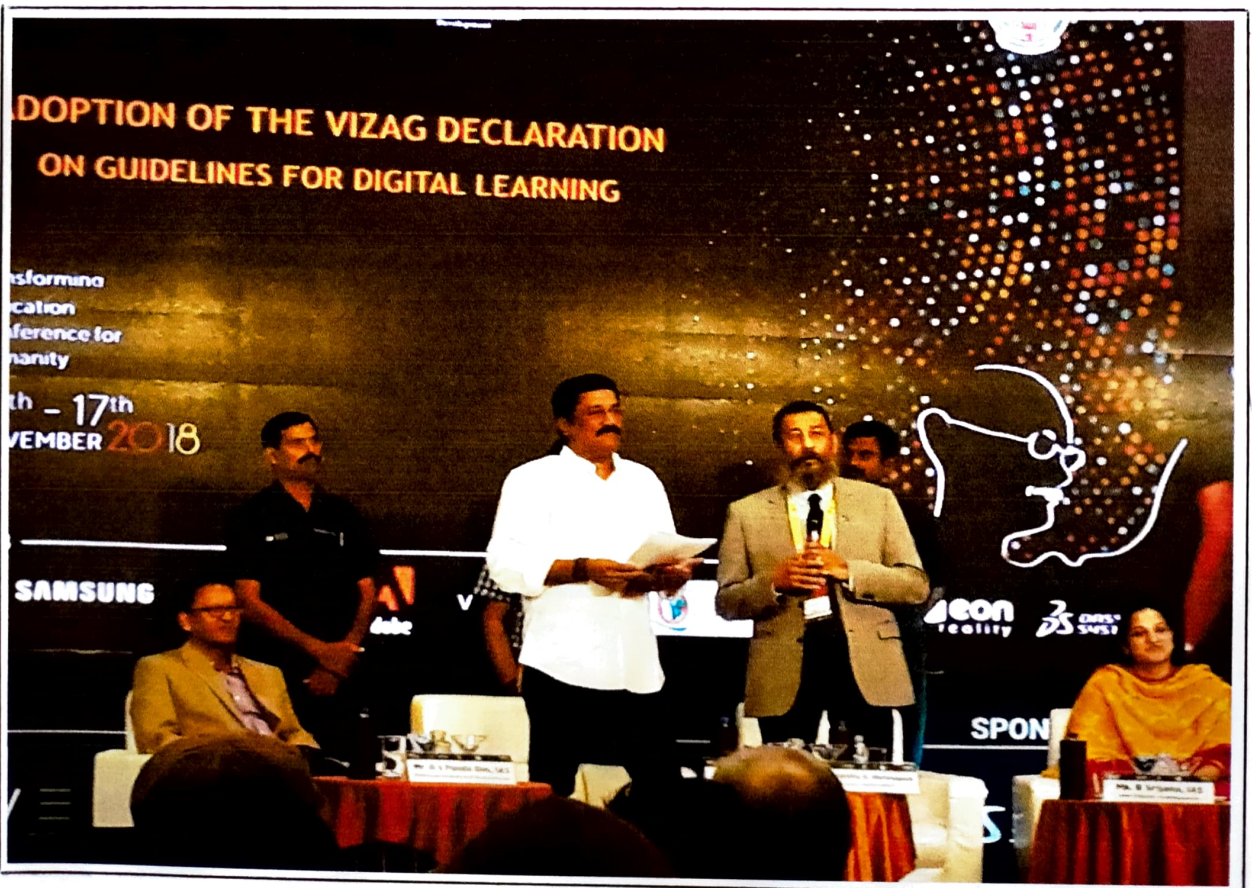
In this way i would like that to thank our respected principal Dr Velaga Joshi Sir for giving such wonderful opportunity to attend this prestigious workshop and also i would like to thank our respected Mr D. J. Joshi And Mrs Dorcas Jeevan Anad Maam for encouing us to learn new things in a betterway and they have enlighting us with their knowledge

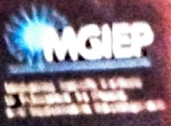
"It'simpossible for Chandra gupta maurya to be a successful leader without the presence of his teacher and his guru Chanakya."

Mainly thanking our college for giving such such wonderful teachers like chanakya who struggles very hard to make each and every student to stand on their both legs at greater heights.









# Transforming Education Conference for Humanity



This is to certify that

## **Dorcas Anand Choppavarapu**

participated at the  
Transforming Education Conference for Humanity (TECH) 2018  
from November 15 - 17, 2018 in Visakhapatnam, India



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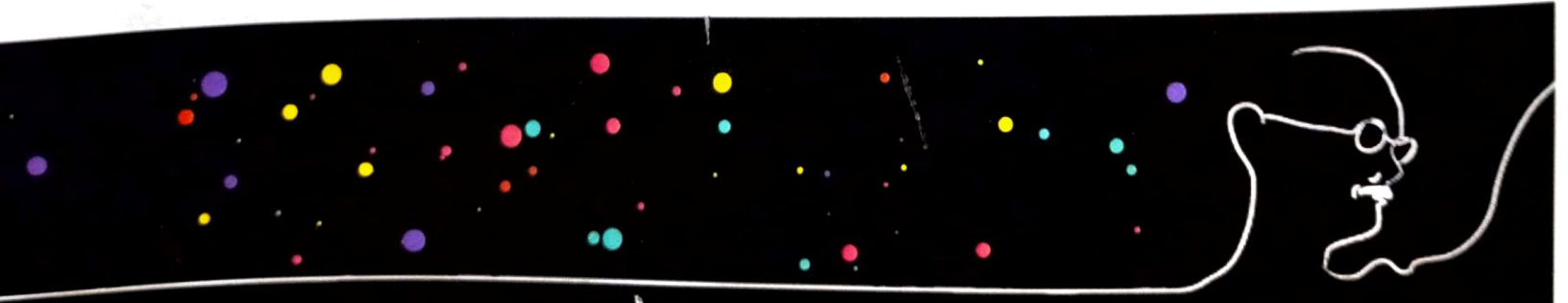
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This is to certify that


# Pravallika Guntur


participated at the  
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from November 15 - 17, 2018 in Visakhapatnam, India




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## Transforming Education Conference for Humanity

This is to certify that


# Satwik Maharshi Kunda


participated at the  
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from November 15 - 17, 2018 in Visakhapatnam, India





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
## Shahdi Ali Mohammad

participated at the  
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from November 15 - 17, 2018 in Visakhapatnam, India

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This is to certify that

# Abhigna Nakka


participated at the  
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from November 15 - 17, 2018 in Visakhapatnam, India


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artificial intelligence  
 sustainable societies emotional intelligence  
 digital learning peaceful societies  
 paper presentations debates artificial intelligence  
 STEM+ transformative  
 collaborative intelligence  
 intellectual intelligence  
 transforming education SDG 4.7  
 21<sup>st</sup> century competencies  
 games for learning  
 mixed reality youth mock classrooms virtual reality  
 catalytic sessions  
 socio-emotional learning

NOVEMBER 15 – 17, 2018

NOV. 14: BY INVITE ONLY  
HIGH LEVEL POLICY FORUM

VISAKHAPATNAM CITY, STATE OF ANDHRA PRADESH, INDIA

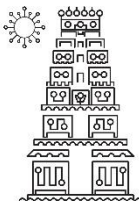
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**TECH**

Transforming Education Conference for Humanity

2018

VISAKHAPATNAM



FROM TRANSMISSIVE TO TRANSFORMATIVE PEDAGOGIES:  
DIGITAL TECHNOLOGIES FOR FOSTERING 21<sup>ST</sup> CENTURY  
COMPETENCIES

CONCEPT NOTE

2<sup>ND</sup> EDN. OF  
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TECH 2018 aims to showcase the role of digital technologies in enabling a shift from “transmissive pedagogies” to “transformative pedagogies” to create peaceful and sustainable societies.

The challenges we face today are very different from those we faced in the last millennium. While experiencing the unprecedented interconnectivity created by the Internet, we are also witnessing persistent and new disparities and tensions, alarming illiberal and undemocratic trends, and uncertainties and risks about the future of the planet we share. Interconnected local to global challenges—ranging from climate change to violent extremism—call for education that enables learners to engage creatively and responsibly with the rapidly changing world.

In 2015, in their endeavour to work towards transforming our world, world leaders adopted the “2030 Agenda for Sustainable Development” and the accompanying Sustainable Development Goals (SDGs). Among the 17 SDGs and 169 targets, Target 4.7 specifically acknowledges the importance of holistic and transformative education, highlighting the importance of education for sustainable development, peace and global citizenship.

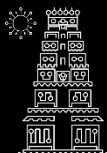
### SDG Target 4.7

By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development.

4 QUALITY EDUCATION



At the same time, digital technologies are beginning to transform traditional relationships of knowledge and learning, making it much easier to achieve many of the long-held pedagogical ideals such as ubiquitous learning, active knowledge making, dialogical and reflexive relationships, and personalised learning. Technological advances are also expanding the possibilities of ‘gamifying learning’, making learning fun, interactive, self-paced and engaging. Digital games have the advantage of combining immersive technology with good pedagogical practice. They are also helping educators answer ongoing assessment questions, develop children’s intellectual and emotional intelligences, and break down the boundaries between disciplines and cultures. Digital technologies offer a huge potential, yet to be fully explored, for transforming education.



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## Official Dates

| Dates  | Details   |
|--|---|
| Wednesday, 14 November, 2018                       | High Level Policy Forum (invitation only) – TBC |
| Thursday, 15 November – Saturday 17 November, 2018 | TECH 2018                                       |

## Partners

The conference will be jointly organised by UNESCO MGIEP and the Government of Andhra Pradesh and supported by the Ministry of Human Resource Development, Government of India. Prospective sponsors and Knowledge Partner of the event include Microsoft, Ubisoft, Unity Technologies, Samsung, HP, Tata Trusts, ISTE and AFS.

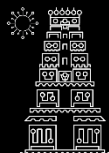
## Conference Objectives

TECH 2018 aims to:

1. Provide a platform for dialogue and capacity building across gaming, digital pedagogy and education stakeholders, including students, teachers and young people;
2. Showcase and demonstrate pedagogical possibilities opened up by gaming and digital technologies in enabling learners to develop 21st century skills and competencies to shape peaceful and sustainable societies;
3. Critically reflect upon and articulate institutional and ethical implications of embracing digital solutions to education.

The conference is expected to generate the following outputs and follow up measures:

- A **Conference Declaration** on guidelines for the use of games and digital learning in education
- A **Call for Action** to mainstream Social and Emotional Learning (SEL) in education systems using digital interactive technologies



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## Conference Themes

### Theme 1: Transformative Gaming and Digital Pedagogies for SEL

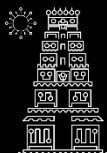
The need for individuals, resilient and adaptive to rapidly changing environments, is the order of the day. The need for building not only intellectual intelligence but also emotional intelligence has never been greater. Recent research increasingly demonstrates what supporters of SEL have long advocated that students need to be “socially aware” and “emotionally-connected” for them to learn and for societies to flourish. In recent years, it has been demonstrated that SEL skills such as empathy, mindfulness and compassion can be explicitly taught and learned. Indeed, research suggests that SEL skills impact positively both academic performance and behavioural outcomes. UNESCO MGIEP promotes the idea that building both emotional and intellectual intelligence is key to achieving peaceful and sustainable societies and this can be delivered to all learners through the use of innovative technologies.

Participants are invited to:

- Present the research evidence for SEL delivered directly or indirectly through transformative gaming and digital pedagogies, which have implications for achieving SDG 4.7
- Showcase good practices in curricula for building social and emotional skills through gaming and digital learning tools and methodologies
- Provide hands-on training to educators and youth to develop and employ innovative gaming and digital technologies to directly or indirectly deliver SEL experiences that promote values of peace, global citizenship and sustainable development.

### Theme 2: Beyond Four Walls of the Classroom

Rather than embracing everything digital, participants are invited to explore how digital technologies can overcome constraints imposed by highly institutionalised features of modern schooling, including assessment of learning as memory of textbook knowledge. Experts and practitioners of education for sustainable development (ESD), global citizenship education (GCED), global learning, peace education and education in general are invited to examine, together with ed-tech stakeholders, the role of digital technologies in whole-school approaches and other holistic efforts to build a culture of peace and sustainability at the school and community levels.



## Theme 2: Beyond Four Walls of the Classroom (continued)

Technologies can be used to:



“mediate or supplement  
relationship between  
teachers and learners”



“present and assess  
learnable content”



“provide spaces where  
students do their work”



“mediate peer-to-peer  
interactions”

Source: Created based on the conceptualisation of e-learning by Bill Cope and Mary Kalantzis, *e-Learning Ecologies: Principles for New Learning and Assessment*, Routledge, 2017, p.1.

Participants are invited to:

- Explore the role of games and digital learning in teaching and assessment of knowledge, skills, values and attitudes associated with SDG 4.7
- Highlight the role of digital technologies in problem-based/project-based learning for peace and sustainability
- Present good practices on the use of crowdsourcing for promoting education for peace and sustainable development
- Present pedagogical possibilities opened up by digital games, Virtual Reality (VR), Augmented Reality (AR), or Mixed Reality (MR) in formal or non-formal ESD and GCED, or in both.

## Theme 3: Transformative Gaming and Digital Pedagogies for STEM+

Core subjects such as Mathematics, Science, and Languages often occupy a privileged place in the school curriculum in terms of time allocation and mandatory and examinable status. These subjects are usually taken seriously by students, parents, teachers and policymakers alike as they are assumed to enhance economic competitiveness—both at the individual and national levels. In fact, many digital learning management systems focus on delivering content on Mathematics, Science and English. Given the status of these subjects, it is important to understand: What do transformative digital pedagogies for STEM+ subjects look like? How can digital technologies contribute to building problem solving and creative, critical and systemic thinking skills? How can they facilitate issue-based or thematic approaches in the teaching of core subjects? How can they combine learning of the content prescribed by the curriculum with creative expressions? How can new, innovative and fun ways be used through games and digital learning for assessment of knowledge?



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### Theme 3: Transformative Gaming and Digital Pedagogies for STEM+ (continued)

Participants are invited to:

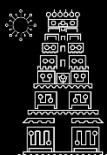
- Present cases of Mathematics, Science or Language Education delivered through transformative digital pedagogies, which has particular implications for building problem solving and critical thinking skills
- Showcase good practices in digitally mediated pedagogies for building literacy and numeracy along with curiosity, creativity and critical thinking skills
- Provide hands-on training to educators and youth to develop and employ innovative technologies to deliver STEM+ education experiences that promote values of peace, global citizenship and sustainable development.
- Demonstrate the use of digital games for learning and assessment in the STEM+ field
- Showcase digital pedagogical innovations for children with “Difference Learning” (dyslexia, dyscalculia, dyspraxia and dysgraphia).

### Theme 4: Artificial Intelligence and the Future of Education

Artificial Intelligence (AI) has caught the imagination of the world and has been gaining popularity in the business sector. To date, the use of AI in education has been limited and at times contested; most arguments against it centre on how it will make teachers redundant and learning more automated than it is currently. Rather than replacing teachers and making learning impersonal, AI could take learning to a completely new level. It could instantly generate an astounding amount of information, curate supplementary learning resources to meet individual student interests and needs, provide teachers with a virtual teaching assistant, and allow students to connect with peer learners as well as a virtual peer or tutor wherever and whenever needed. In the classroom, this could increase valuable time for more teacher-student and student-student interaction and more engaging and immersive learning experiences. The collective wisdom of teachers and students could be garnered to expand the realm of possibilities for education. What are the implications of AI for the future of education? UNESCO MGIEP embraces the need for education to prepare learners for the world profoundly changed by new frontiers in AI.

Participants are invited to:

- Critically reflect upon the profound impact AI could have on how education and training is organised, including the automation of not only low-skill or routine tasks but also high-skill and cognitive tasks; the redefinition of 21st century skills; and the reinvention of the meaning of human existence and well-being
- Share ideas on if and how we can or should embed the principles and values of peace and sustainable development in AI
- Present innovative ideas on the use of AI as part of Learning Management Systems (LMS)
- Present AI options for assessments and analytics to guide learning
- Showcase the use of AI in harvesting data from existing data sources such as the UNESCO Institute of Statistics database among others.





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## Theme 5: The Institutional Framework for Application of Digital Technologies in Education: Towards Surveillance or Collaborative Intelligence?

Learning Analytics, enabled by increasingly sophisticated data collection and information retrieval techniques, holds a great promise for optimising learning. At the same time, it raises concerns about privacy and data protection that need to be addressed by normative frameworks and policy guidelines. A major challenge concerns the ethical implications of data surveillance. Digital technologies are making personalised learning more practical and opening up a myriad of pedagogical possibilities. They are, however, also enhancing the capacity of governments, companies and individuals to undertake surveillance, which may violate or abuse human rights, in particular the right to privacy. In addition to privacy, data protection and surveillance issues, the use of digital media to transform information to knowledge and then to intelligence also raises issues related to intellectual property rights and the ownership of intelligence. The question of what constitutes a private good and a public social good is critical in determining how education systems evolve in the future.

Participants are invited to:

- Present efforts to improve national laws and practices with respect to surveillance issues in a digital age, including preventative measures, sanction and remedies
- Present ideas to prevent the private sector from committing violations and abuses of the right to privacy
- Discuss moral and policy issues surrounding student privacy raised by learning analytics.

Still can't find a match for your idea in any of the above topics.....It's not the end...go ahead and share your story and challenge us!

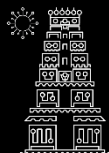
### Conference Formats

The main formats of the conference are:

- Keynotes (Plenary, by invitation only)
- Catalytic Panels and Debates (by invitation only)
- Breakout Sessions (Panel Discussion, Workshop or Paper Presentation)
- E-Poster Exhibitions
- Learning Zone
- Maker Space
- Mock Classrooms

The discussions will be interactive in nature in order to provide participants with an opportunity to dialogue, exchange good practices and establish connections and contacts. A highlight of the conference will be extensive access to academic experts and innovative technologies for transformative pedagogies.

Submissions are invited for all sessions listed overleaf.





United Nations  
Educational, Scientific and  
Cultural Organization



Mahatma Gandhi Institute  
of Education for Peace  
and Sustainable Development



सत्यमेव जयते

Government of India  
Ministry of Human Resource  
Development



सत्यमेव जयते

## Target Audience

Participants in the conference will be experts in the field of education technology and education for peace, sustainable development and global citizenship comprising of Ministers of Education, senior policy makers, education technology specialists, educators and teachers, curriculum designers, researchers, learners, students, game designers, ed-tech exhibitors and more.

## Working languages

The working language of the conference will primarily be English.

## About Visakhapatnam (Vizag) City

TECH 2018 will be held in Visakhapatnam in India – a coastal port city, often known as The Jewel of the East Coast, situated in the state of Andhra Pradesh. Nestled among the hills of the Eastern Ghats by the Bay of Bengal, Visakhapatnam offers the best of India's vibrant culture, fascinating architecture, jewel-like beaches, gastronomic delights and more.

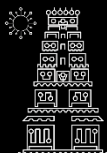


## About UNESCO MGIEP

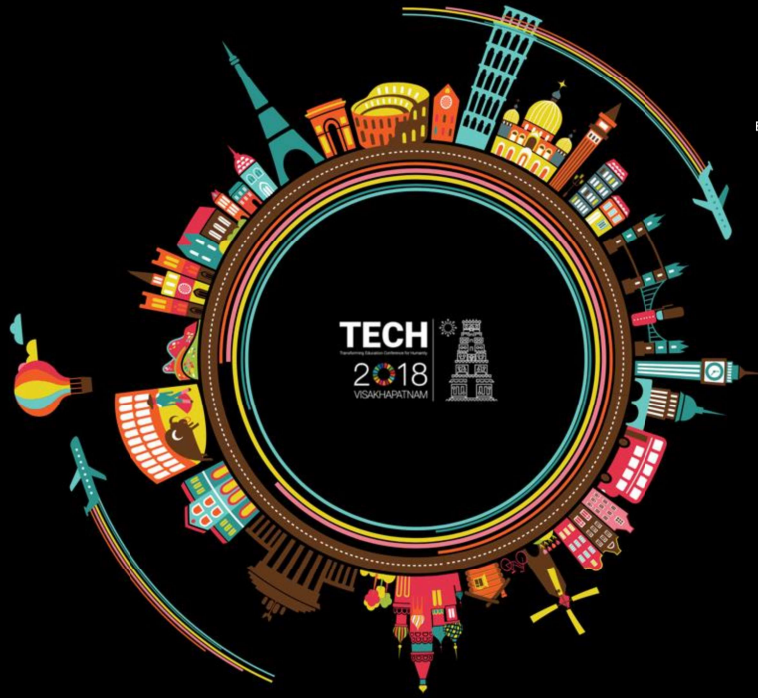
The Mahatma Gandhi Institute of Education for Peace and Sustainable Development (MGIEP) is UNESCO's category 1 Research Institute that focuses on Sustainable Development Goal (SDG) 4.7 towards education for building peaceful and sustainable societies across the world. In line with its vision of 'Transforming Education for Humanity', the Institute employs the whole-brain approach to education, with programmes that are designed to mainstream SEL in education systems, innovate digital pedagogies and to put youth as global citizens at the centre of the 2030 agenda for Sustainable Development.

## About the State Government of Andhra Pradesh, India

The State Government of Andhra Pradesh aims to transform the state into a "globally competitive and happy society" and has charted out its Vision 2029 for the State. The Vision focuses not just on economic growth but also on happiness / well-being and Andhra Pradesh aims to be No. 1 in the World by 2050, thereby influencing global communities. In achieving this vision, access to education and use of digital transformative pedagogies (SDG 4) have been identified as key factors that will "influence people's well-being".



Contact: [tech2018.mgiep@unesco.org](mailto:tech2018.mgiep@unesco.org) | [www.mgiep.tech](http://www.mgiep.tech) | [www.facebook.com/mgiep](https://www.facebook.com/mgiep)  
[www.twitter.com/unesco\\_mgiep](https://www.twitter.com/unesco_mgiep) Tel: +91-11-23 07 23 56-60



TECH 2018: NOVEMBER 15 – 17, 2018 | CONFERENCE AGENDA

TECH 2018 aims to showcase the role of games and digital learning in enabling a shift from “transmissive pedagogies” to “transformative pedagogies” to create peaceful and sustainable societies.

CONFERENCE AGENDA OVERVIEW

NOVEMBER 13

NOVEMBER 14

NOVEMBER 15

NOVEMBER 16

NOVEMBER 17

PRE-CONFERENCE WORKSHOPS



PRE-CONFERENCE WORKSHOPS



HIGH LEVEL POLICY FORUM



KEYNOTE 1



CULTURAL EVENING

OPENING



TECH TALK



CATALYTIC SESSIONS 1 - 4



DISRUPTOR'S PANEL



KEYNOTE 2 & 3



BREAKOUT SESSIONS



CULTURAL EVENING

CATALYTIC SESSIONS 5 - 9



KEYNOTE 4 & 5



BREAKOUT SESSIONS



VIZAG CITY TOUR

CATALYTIC SESSION 10



KEYNOTE 6 & 7



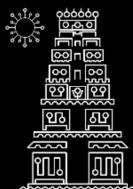
BREAKOUT SESSIONS



TECH 2018 CLOSING

PRE-CONFERENCE ACTIVITIES

TECH 2018



### A) PRE-CONFERENCE WORKSHOPS: NOVEMBER 13-14, 2018:

The pre-conference workshops are targeted at educators, students and practitioners and will offer highly interactive and focused sessions on some of the most relevant themes related to EdTech, delivered by experts.

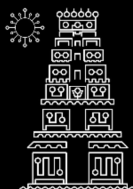
| No | Workshop title   | Date                 | Timings      |
|----|--|----------------------|--------------|
| 1  | Pre-Conference Workshop 1 (Unity): 'Beginning interactive design with Unity' | November 13-14, 2018 | 10 am – 4 pm |
| 2  | Pre-Conference Workshop 2 (Collabrify)                                       | November 14, 2018    | 9 am – 1 pm  |
| 3  | Pre Conference workshop 3 (Samsung-UNESCO MGIEP)                             | November 14, 2018    | 9 am – 1 pm  |
| 4  | Pre-Conference Workshop 4 (Difference Learning, UNESCO MGIEP)                | November 14, 2018    | 2 pm – 5 pm  |
| 5  | Pre-Conference Workshop 5 (Game – Catch): 'Catch Game Workshop               | November 14, 2018    | 2 pm – 5 pm  |

### B) HIGH LEVEL POLICY FORUM (BY INVITE ONLY): NOVEMBER 14, 2018:

The High Level Policy Forum is a by-invite only session targetted at policy makers and its key objective is to commence a collective dialogue on the development of global EdTech guidelines to guide the design and implementation of digital pedagogies such as games for learning, virtual reality, artificial intelligence and other EdTech products. The High Level Policy will be followed by Keynote 1, a cultural evening / performance and dinner.

| No | Details  | Timings           |
|----|--|-------------------|
| 1  | High Level Policy Forum: Session I   | 10 am – 1 pm      |
| 2  | Lunch  | 1 pm – 2 pm       |
| 3  | High Level Policy Forum: Session II<br>Session on Skilling (By invite only)  | 2 pm – 5 pm       |
| 4  | <b>Keynote 1</b> by Gregoire Borst, Professor of Developmental Psychology and Cognitive Neuroscience of Education, LaPsyDE | 6:30 pm – 7:15 pm |
| 5  | Cultural Evening   | 7:30 pm onwards   |





C) DAY 1: THURSDAY, NOVEMBER 15, 2018

| No | Details / Activity   | Time                |
|----|--|---------------------|
| 1  | On-site registration   | 8:30 am onwards     |
| 2  | Opening of TECH 2018   | 9:30 am – 11 am     |
|    | Networking Break   | 11 am – 11:20 am    |
| 3  | Anantha K. Duraiappah, Director, UNESCO MGIEP<br><b>TECH Talk</b>  | 11:20 am – 11:40 am |
| 4  | <b>Keynote 2</b> by Jessica Lindl, Global Head of Education at Unity Technologies  | 11:40 am – 12 pm    |
| 5  | Catalytic Sessions 1 & 2<br><b>Catalytic Session 1:</b> Transformative Gaming and Digital Pedagogies for SEL; <b>Catalytic Session 2:</b> Beyond Four Walls of the Classroom                   | 12:05 pm – 1:20 pm  |
|    | Lunch and Product Launches   | 1:20 pm – 2:20 pm   |
| 6  | <b>Breakout Session 1</b>  | 2:20 pm – 3:20 pm   |
| 7  | <b>Disruptor's Panel:</b> Artificial Intelligence in Education: Who Owns and Who Manages   | 3:-30 pm – 4:15 pm  |
|    | Networking Break   | 4:15 pm – 4:35 pm   |
| 8  | <b>Keynote 3</b> by Peter Vesterbacka, Co-founder at Lightneer, Fun Academy. Formerly Mighty Eagle at Angry Birds  | 4:35 pm – 4:55 pm   |
| 9  | Catalytic Session 3 & 4<br><b>Catalytic Session 3:</b> Transformative Gaming and Digital Pedagogies for STEM+; <b>Catalytic Session 4:</b> Artificial Intelligence and the Future of Education | 5 pm – 6:15 pm      |
| 10 | Cultural Evening, followed by Dinner   | 7 pm onwards        |





C) DAY 2: FRIDAY, NOVEMBER 16, 2018

| No | Details / Activity  | Time                |
|----|---|---------------------|
| 1  | On-site registration  | 8:30 am onwards     |
| 2  | <b>Keynote</b> by Dan Shefet, Lawyer at the Paris Court of Appeal (France)  | 9 am – 9:20 am      |
| 3  | <b>Keynote</b> by Geoffrey Marson, Lawyer and specialist data ethics  | 9:25 am – 9:45 am   |
| 4  | <b>Breakout Session 2</b>   | 10 am – 11 am       |
|    | Networking Break  | 11 am – 11:20 am    |
| 5  | <b>Catalytic Session 5:</b> Managing the Commons, Institutional Frameworks for equity and efficiency in education   | 11:30 pm – 12:45 pm |
|    | Lunch and Product Launches  | 12:45 pm – 1:45 pm  |
| 6  | Catalytic Sessions 6 & 7 (Parallel Sessions)<br><b>Catalytic Session 6:</b> Transformative Digital Pedagogies for Global Citizenship: Multimodal Storytelling and Design Thinking; <b>Catalytic Session 7:</b> Harnessing the power of digital games to unify social-emotional learning with math and science | 1:45 pm – 3 pm      |
| 7  | <b>Breakout Session 3</b>   | 3:05 pm – 4:05 pm   |
|    | Networking Break  | 4:05 pm – 4:25 pm   |
| 8  | Catalytic Sessions 8 & 9 (Parallel Sessions)<br><b>Catalytic Session 8:</b> AI For Education - Personalization at Scale: How AI is Poised to Disrupt Education; <b>Catalytic Session 9:</b> Can games replace textbooks and exams?  | 4:25 pm – 5:40 pm   |
| 9  | <b>Breakout Session 4</b>   | 5:45 pm – 6:45 pm   |
| 10 | Vizag City Tour   | 7 pm onwards        |



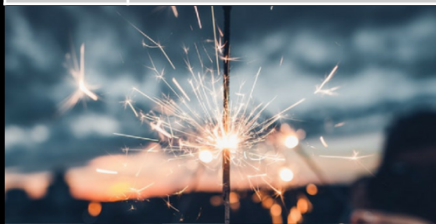


**TECH**  
Transforming Education Conference for Humanity  
**2018**  
VISA KHAPATNAM



C) DAY 3: SATURDAY, NOVEMBER 17, 2018

| No | Details / Activity   | Time                |
|----|--|---------------------|
| 1  | <b>Breakout Session 5</b>  | 9 am – 10 am        |
| 2  | <b>Catalytic Session 10:</b> Intelligent Global Hub for Digital Pedagogies   | 9 am – 10 am        |
| 3  | <b>Keynote</b> by Neuroscientist Kenneth Pugh  | 10 am – 10:20 am    |
| 4  | <b>Keynote</b> by Harri Ketamo, Founder & Chairman of Headai.<br><i>Title: Jobs will be lost, skills are forever</i> | 10:25 am – 10:45 am |
|    | Networking Break   | 10:45 am – 11:05 am |
| 5  | <b>Catalytic Session 11:</b> Global Guidelines: What, Why, How?  | 11:05 am – 12:20 pm |
| 6  | <b>Breakout Session 6</b>  | 12:25 pm – 1:25 pm  |
| 7  | Adoption of Vizag Declaration and closing of TECH 2018   | 1:30 pm – 2:00 pm   |
| 8  | Closing address by Hon'ble Minister of IT, Panchayati raj and Rural development , Andhra Pradesh Lokesh Nara         | 2:00-2:15           |
| 9  | Closing remarks by Director MGIEP Anantha Duraiappah   | 2:15-2:20           |
| 10 | Lunch  | 2:30 pm onwards     |



# ***S.R.R.& C.V.R GOVT.DEGREE COLLEGE***

## ***Department of Biochemistry 2019***

### **Field visit to ICAR IOPRC at Pedavegi, W.G Dt. (27-07-2019)**

**Students participated:** Students of I, II, III BSc. Biochemistry

**Place of visit:** Indian Council of Agriculture Research -Indian Oil palm Research Center

**Date of Field Visit:** 17-07-2019.

---

The field trip was designed to introduce UG students to the research center, how the research center serves the public and carries out research in all respects related to the center's objectives. And to teach the students how a research centre fulfils its aims of being a platform for research, debate, and dissemination of information.

The students of the department of biochemistry have taken to field trip to **ICAR IOPRC at Pedavegi, W.G Dt.**, The faculty and students of the department of biochemistry SRR&CVR (A) were accommodated at the training hall and given a lecture by Dr.M.V.Prasad principal scientist, IOPR about the palm oil harvesting, marketing, and nutritional importance. Next, The faculty and students were taken to the molecular biology lab where Dr. Kalyan babu senior scientist demonstrated molecular biology techniques followed in selecting dwarf and high yield plants.

PCR, RT PCR techniques Gel DOCK technique principles were explained, and the operation was presented to students. Next, the students were taken to the soil analysis lab and got familiarized with testing different minerals. The students were taken to a mini theater where a short film on IOPR activities was visually introduced. It was an incredible journey where students have interacted with scientists in the institute with great enthusiasm

# ***S.R.R. & C.V.R GOVT.DEGREE COLLEGE***

## ***Department of Biochemistry 2019***



**S.R.R. & C.V.R. GOVT. DEGREE COLLEGE**

(Autonomous)

NAAC accredited with 'B+' Grade

Machavaram, VIJAYAWADA - 520 004, Krishna District.

Cell : 94922 34488 Ph : 0866-2430060, Fax : 0866-2441092, www.srrcvr.org, srrandcvr@gmail.com



***Dr. Velaga Joshi,*** Principal

M.A. (PHIL), M.A. (H&L), M.A., (V.C.), B.L., M.PHIL, Ph.D.,

Date 22/07/2019

To  
The Director  
Indian Institute of palm oil research  
Pedavegi  
Near Eluru  
West Godavari district  
AP

Respected sir,

Sub: Request for permission to visit Indian Institute of Palm Oil Research by BSE Biochemistry students of SRR&CVR GOVT degree college (A) Vijayawada on a proposed date of 27<sup>th</sup> July 2019.

To give the students a live experience of research & development carried out at your research centre, I am proposing an industrial visit to your Indian Institute of palm oil research centre. I therefore request you to kindly permit 30 of our students for a guided tour of your facility on 27-07-2019.

Thanking you,

Yours faithfully

**PRINCIPAL  
SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA-4.**

From

Syed Vazecha Tahaseen  
Incharge of Department of Biochemistry  
SRR & CVR Govt Degree College(A)  
Vijayawada,  
Mobile:9948740040  
Vazechatahaseen.suzaf@gmail.com

***S.R.R.& C.V.R GOVT.DEGREE COLLEGE***  
***Department of Biochemistry 2019***



Students visiting the Molecular biology lab and knowing about the principle and procedure Gel documentation and image analysis.



***S.R.R.& C.V.R GOVT.DEGREE COLLEGE***  
***Department of Biochemistry 2019***



Students were interacting with the scientists at the institute.



***S.R.R.& C.V.R GOVT.DEGREE COLLEGE***  
***Department of Biochemistry 2019***

**Acknowledgment:** First, we thank our principal Dr. Velaga Joshi for permitting us to visit the research center.

We thank the Director and Co-scientists for giving this great opportunity of field visit to the center and encouraging the students towards research in agriculture.

Sd V Tahaseen

Lecturer in Biochemistry

# FIELD VISIT

30/7/19<sup>173</sup>

The dept. of Biochemistry conducted a field trip to Indian Institute of oil palm research, Pedavegi, East Godavari Dt. The students of II B.Sc, III B.Sc MBC are taken to the research Centre by train route. There Dr. M.V. Prasad principal scientist, Dr. B. Kalyan Babu senior scientist interacted with students and discussed about cultivation of Palmoil Sapling, Uses of palmoil waste material, and also explained the nutritional values.

Students visited the chemical analysis lab, water, soil testing lab and finally Museum and learned many things.

Dr. Kalyan explained about genome of plants PCR techniques, identification of dietary plants genes, and cultivating specific varieties etc.

It enhanced student enthusiasm towards research.

Y. S. V. Lalase

G. Naga Lakshmi  
M. Ratna Kumari  
S. Keerthi  
B.S. Ketharin  
A. Pravan chandra

III<sup>rd</sup> B.Sc (MBC) Nagalabala  
II<sup>nd</sup> B.Sc (MBC) M. Ratnakumari  
II<sup>nd</sup> B.Sc (MBC) S. Keerthi  
II<sup>nd</sup> B.Sc (MBC) B.S. Ketharin  
III<sup>rd</sup> B.Sc (MBC) A. ch

M.T.S Sindhu.

P. Aruna Kumari.

A. Jyothika.

G. Nagalakshmi.

D. Sai sree.

B. S. Kethairam

B. G. Ganesh

K. Durga.

G. Mani

G. Manoj Kumar

D. Raghav Prasad

K. Anuganthosh

N. Nigama

K. Srinivas Kumar

S. Keerthy

P. N. Pirupatham

D. Manasa

K. L. Sasanka.

P. Lavanya

M. Anusha.

E. Divya Keerthana

1<sup>st</sup> B.Sc (MBC)

Keerthana E

T. Durga Amalprasad

1<sup>st</sup> B.Sc (MBC)

T D Amalprasad

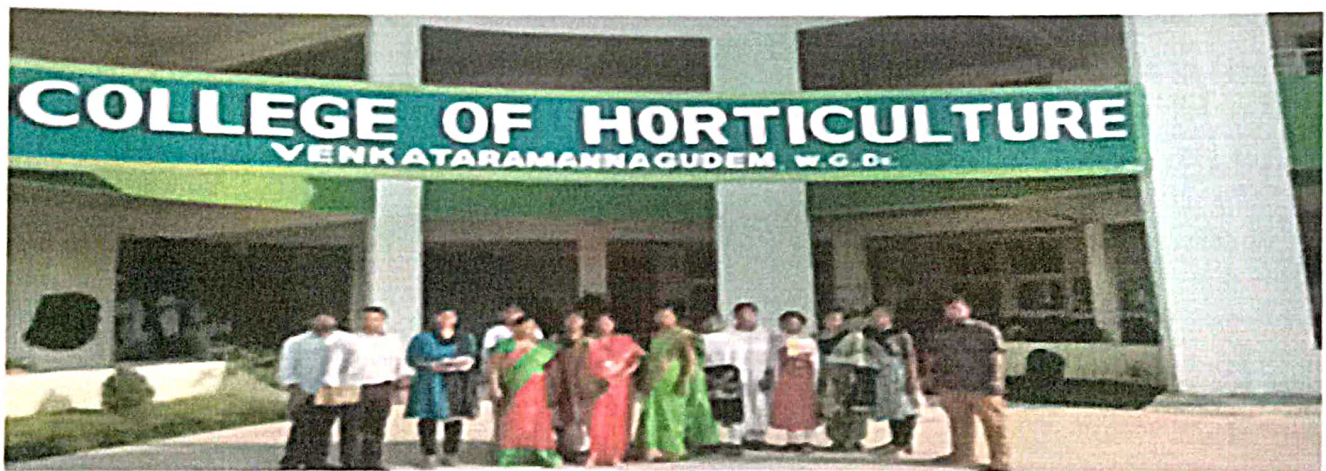
Ch. Grace Mani

1<sup>st</sup> B.Sc (MBC)

Chyrcanna

Department of Botany SRR & CVR Govt Degree College Organized a two day Field trip /Botanical tour to DR YSR Horticultural University, Venkataramannagudem, West Godavari District on 12.2.2020 & 13.2.2020. We started from college at 08.00 am in Bus and reached University by 10.30 am.

**Motive of this program:** This tour provides students onsite, practical and real time experience, real time cases. Creating awareness on the horticultural propagation methods of flowering and fruit crops, grafting, tissue culture techniques and protected greenhouses, shade nets and polyhouse cultivation.



#### Tour Report :

Botany Students and Faculty visited Krushi Vignana Kendra functioning under this University providing frontline extension services through technology assessment & refinement, frontline demonstrations, vocational training and other extension activities to cater to the needs of Botany Students.

Faculty and Students explored the various units of Krushi Vignana Kendra like Azolla Biofertilizer Unit, Vermicomposting Unit, Api Culture Unit, Organic Farming farms with the assistance of Guide Mr RaviTeja, Farm Manager allotted from Krushi Vignana Kendra.

**SRR & CVR Government Degree College**

Marchayaram, Vijayawada, Krishna District, AP-520 004



**DEPARTMENT OF BOTANY**

|   |   |
|---|---|
| <b>Dates</b>  | 12.02.2020 - 13.2.2020  |
| <b>Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)</b>      | Department  |
| <b>Nature of activity (seminar/Workshop/Extn. Lecture etc.)</b>       | Field Visit/ Botanical Tour   |
| <b>Title of the Activity</b>  | Field Visit   |
| <b>Name of the Department/Committee</b>                               | Department of Botany  |
| <b>Details of Resource Persons (Name , Designation etc., )</b>        | B.SC BZC Students   |
| <b>No. of students participated</b>                                   | 25  |
| <b>Name of the Lecturers who planned &amp; conducted the activity</b> | Planned and Organized by<br>Mrs D.Jyothi<br>Lecturer In Charge<br>Ms V. Nagalakshmi , Lecturer in Botany                |
| <b>Remarks</b>  | This Medicinal Plants Drive activity was a huge success and got all student, faculty and Public support and suggestions |

## Students and Faculty Visiting Azolla Culture units



Guide explained to students the functionalities and process of various subunits by showing the units. Mr Raviteja Farm manager explained about the following thrust Areas of Research like 1. Increasing Productivity. 2. Sustaining productivity under biotic and abiotic stresses 3. Improving nutritive value and food safety. 4. Environment Protection. 5. Increasing Profitability to farmers. 6. Export Promotion. 7. Minimization of post harvest losses, 8. Processing and value addition.



**Scientist Dr Subbaiah Garu Explaining the process of farming methods**



**Students and faculty exploring the flowering crops**

**Skilled experts working in Fields explained to students about the Organic farming processes crop wise (Tomato, Tobacco, Mirchi) , composition of Ghana Jeevamrutham, Drava Jeevamrutham , the way of applying fertilizers and the types of insect traps etc.**



**Students explored the Green Houses , Poly Houses , Shady nets and observed the technology using there and also Visited Soil and Water Testing Centers and learned the functionality and processes over there.**



**Students and faculty Exploring Green Houses , Polyhouses and Shade Nets**

**Students and Faculty visiting Biomanure units and learning the process**

**Scientist Dr Venkata Subbaiah Garu explained to the students about cultivation of various flowering and fruit crops . He also showed the process of various types of Grafting procedures and tissue culture procedures.**

**Students visited Various types of Green Houses , Polyhouses , Shadnets and learnt the procedure of Protecting and growing vegetables and flowering plants in controlled conditions by controlling Temperature, sunlight and humidity .**



Staff and students for two days ( 12.2.2020 & 13.2.2020) and after exploring all the primary training Centers in University returned back to Vijayawada .



The tour was very informative and beneficial to Botany students .



LECTURER IN CHARGE  
Dept. of Botany  
SRR & CVR GOVT. DEGREE COLLEGE  
VIJAYAWADA-4, Krishna Dist  
*[Signature]*



## STUDENT SIGNATURES AND FEEDBACK

| S.No | Date | Class   | Roll no/ Reg no | Signature     | Remarks       |
|------|------|---------|-----------------|---------------|---------------|
| 1.   |      | I BZC   | 21317207        | K.roumle      | beneficial    |
| 2.   |      | II BZC  | 21317201        | A. PraSanth   | USEFUL        |
| 3.   |      | II BZC  | 21317209        | T.lavanya     | Got awareness |
| 4.   |      | I BZC   | 21317205        | K. Jagadeesh  | use ful.      |
| 5.   |      | II BZC  | 21317206        | T. Moudula    | Good.         |
| 6.   |      | II BZC  | 21317212        | P. hithu      | Got Awareness |
| 7.   |      | II BZC  | 21317204        | Devi nagachin | Beneficial    |
| 8.   |      | III BZC | 20311205        | Mounika       | Good          |
| 9.   |      | III BZC | 20311223        | Shaik. Baiji  | Useful        |
| 10.  |      | III BZC | 20311003        | P.            | Good.         |
| 11.  |      | III BZC | 20311216        | P. Jai        | Good          |
| 12.  |      | III BZC | 20311008        | P.            | Good          |
| 13.  |      | III BZC | 20311213        | M Gayathri    | Good          |
| 14.  |      | III BZC | 20211227        | P.            | Good.         |
| 15.  |      | III BZC | 20311225        | P. S. ti      | Good          |



# SRR & CVR Government Degree College

An Autonomous & ISO 9001:2015 Certified Institution: Ranked by NIRF in 101-150 band at NIRF 2019 & 2020  
in NIRF 2019 NAAC accredited Institution with grade B- 30th CGPA & 2nd division (A1) 2019  
Machavaram, Vijayawada, Krishna District, AP-520 004



## DEPARTMENT OF BOTANY

|   |  |
|---|--|
| <b>Date of Activity</b>   | 29.1.2020 to 1.2.2020  |
| <b>Conducted through<br/>(DRC/JKC/ELF/NCC/NSS/<br/>Departments etc.</b>   | Department of Botany   |
| <b>Nature of activity<br/>(seminar/Workshop/Extn.<br/>Lecture etc.</b>    | Study Tour   |
| <b>Title of the Activity</b>  | Study Tour to Madras University  |
| <b>Name of the<br/>Department/Committee</b>                               | Department of Botany   |
| <b>Details of Resource Persons<br/>(Name , Designation etc., )</b>        | Department of Botany and Microbiology Faculty  |
| <b>No of students participated</b>  | 25   |
| <b>Name of the Lecturers who<br/>planned &amp; conducted the activity</b> | D.Jyothi, In Charge Dept of Botany<br>G.V. Vara Lakshmi, Lecturer in Botany<br>V. Naga Lakshmi, Lecturer in Botany   |
| <b>Remarks</b>  | This Study tour to Madras university was very much beneficial informative and more beneficial to the students and students participated in this with much enthusiasm |

## EDUCATIONAL TOUR.

The Department has organized Educational tour to CHENNAI MADRAS UNIVERSITY CENTRE FOR ADVANCED STUDIES IN BOTANY from Jan 29th to Feb 01 2020.

The students are exposed to extensive research in the areas of Algology, pathology, Virology Instrumentation.

They have visited Central library, Birla Planetarium.

## Faculty.

1. D. Jyothi
2. P. Doras Anand.

## Students.

- |                           |                 |
|---------------------------|-----------------|
| 1. A Madhu Niharika       | A. Madhuharika. |
| 2. B. Kalyan Rao.         | B. Kalyan Rao   |
| 3. P. Sucharitha Swajale. |                 |
| 4. T. Anusha Vasantha.    |                 |
| 5. G. Naga Raju           |                 |
| 6. J. Sai Krishna.        |                 |
| 7. Sai Ram.               | Sai Ram         |
| 8. P. Madhavi             |                 |
| 9. G. Gopi.               |                 |

## Report:

Department of Botany Organized 3 Day Educational tour to Madras University center for advanced studies in Botany from 29.1.2020 to 1.2.2020 . Students got awareness in advanced research areas like virology, Algology , Mycology Plant pathology , Biotechnology and instrumentation . They visited the Central Library and Birla Planetarium also .

The University Botany Laboratory was established in 1930. Since 1933 studies of freshwater, estuarine and marine algae, their systematics, life-histories, morphology and cytology were going on . The investigations of the Department of Botany are internationally acclaimed and particularly noteworthy contributions to knowledge of the diatoms, green, red and blue green algae.

In Dept of Botany Soil borne disease of plants (including micro-ecology of soil fungi), physiology of fungi, physiology of host-parasite relationship particularly in Fusariose wilts of plants, techniques in bioassay, spectrochemical studies on uptake of ions by plants, work in vivo toxins and fungal enzymes, respiration and electrophoretic studies on plant tissues have been carried out.

In recognition of the outstanding work done in the fields of Plant Pathology and Mycology, the laboratory was elevated as a Centre for Advanced Studies by the University Grants Commission in 1964.

In 1987, the UGC identified this Centre for COSIST Assistance and under this programme many new and sophisticated instruments were purchased. Students interacted with Research scholars and associates in the Laboratory and acquired much knowledge . They explored all the equipment and laboratory works happening in the Lab . This indeed was a great inspiration to students and motivates them towards Research.

**SRR & CVR Government Degree College**

an Autonomous & ISO 9001:2015 Certified Institution. Affiliated to SRIE in recognition of NRI-Service & Education based in NRI-Service & Education Institutions with grade 'A' with CRI, ICA & Education Merit, 2017

Machavaram, Vijayawada, Krishna District, AP-520 004



**DEPARTMENT OF BOTANY**

## STUDENT SIGNATURES AND FEEDBACK

| S.No | Date   | Class   | Roll no/ Reg no | Signature       | Remarks  |
|------|--------|---------|-----------------|-----------------|----------|
| 1    | 1/2/20 | III BZC | 19311212        | M. Srinivas     | Useful   |
| 2    | 1/2/20 | III BZC | 19311217        | Rajashekar      | Helpful  |
| 3    | 1/2/20 | III BZC | 19311206        | Ch. Nanya       | Useful.  |
| 4    | 1/2/20 | III BZC | 19311201        | E. Narajana     | Good     |
| 5    | 1/2/20 | III BZC | 19311203        | D. Nani         | Good     |
| 6    | 1/2/20 | III BZC | 19311205        | Ranga Sri       | Useful.  |
| 7    | 1/2/20 | III BZC | 19311213        | M. N. S.        | Good     |
| 8    | 1/2/20 | III BZC | 19311232        | B. Bhargavi     | Helpful. |
| 9    | 1/2/20 | III BZC | 19311234        | M. S. S. S.     | Useful   |
| 10   | 1/2/20 | III BZC | 19311210        | G. Durga Prasad | Good     |
| 11   | 1/2/20 | III BZC | 1934211         | L. Reda Dayari  | Good.    |
| 12   | 1/2/20 | III BZC | 19311215        | T. Venkat       | Good.    |
| 13   | 1/2/20 | III BZC | 19311216        | K. Bhargava     | Useful.  |
| 14   | 1/2/20 | III BZC | 19311218        | M. Anwar        | Good.    |
| 15   | 1/2/20 | III BZC | 1934221         | P. Somy         | Useful.  |
| 16   | 1/2/20 | III BZC | 19311223        | N. Dhanalakshmi | Good.    |

## SRR & CVR Government Degree College

An Autonomous & ISO 9001: 2015 Certified Institution:: Ranked by NIRF in 101-150 band at NIRF-2020 & 151-200 band in NIRF 2019 NAAC accredited Institution with grade B+ with C.G.P.A 2.6 during March, 2017  
Machavaram, Vijayawada, Krishna District, AP-520 004



### DEPARTMENT OF BOTANY

|   |  |
|---|--|
| <b>Dates</b>  | <b>12.02.2020 - 13.2.2020</b>  |
| <b>Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.</b>       | <b>Department</b>  |
| <b>Nature of activity (seminar/Workshop/Extn. Lecture etc.</b>        | <b>Field Visit/ Botanical Tour</b>   |
| <b>Title of the Activity</b>  | <b>Field Visit</b>   |
| <b>Name of the Department/Committee</b>                               | <b>Department of Botany</b>  |
| <b>Details of Resource Persons (Name , Designation etc., )</b>        | <b>B.SC BZC Students</b>   |
| <b>No of students participated</b>                                    | <b>25</b>  |
| <b>Name of the Lecturers who planned &amp; conducted the activity</b> | <b>Planned and Organized by<br/>Mrs D.Jyothi<br/>Lecturer In Charge<br/>Ms V. Nagalakshmi , Lecturer in Botany</b>             |
| <b>Remarks</b>  | <b>This Medicinal Plants Drive activity was a huge success and got all student, faculty and Public support and suggestions</b> |

Department of Botany SRR & CVR Govt Degree College Organized a two day Field trip /Botanical tour to DR YSR Horticultural University , venkataramannagudem, west godavari District on on 12.2.2020 & 13.2.2020. We started from college at 08.00 am in Bus and reached University by 10.30 am.

**Motive of this program:** This tour Provides students Onsite, practical and real time experience , real time cases . Creating awareness on the horticultural propagation methods of flowering and fruit crops Grafting, Tissue culture techniques and Protected Green houses, Shade nets and Polyhouse cultivation .



### **Tour Report :**

Botany Students and Faculty Visited Krushi Vignan Kendra functioning under this University providing frontline Extension Services through technology assessment & refinement, frontline demonstrations, vocational training and other extension activities to cater to the needs of Botany Students .

Faculty and Students explored the various units of Krushi Vignan Kendra like Azolla Biofertilizer Unit, Vermicomposting Unit , Api Culture Unit, Organic Farming firms with the assistance of Guide Mr RaviTeja, Farm Manager allotted from Krushi Vignan Kendra.

## **Students and Faculty Visiting Azolla Culture units**



**Guide explained to students the functionalities and process of various subunits by showing the units . Mr Raviteja Farm manager explained about the following thrust Areas of Research like 1. Increasing Productivity. 2. Sustaining productivity under biotic and abiotic stresses .3. Improving nutritive value and food safety. 4. Environment Protection.5. Increasing Profitability to farmers.6. Export Promotion. 7. Minimization of post harvest losses, 8. Processing and value addition.**



**Scientist Dr Subbaiah Garu Explaining the process of farming methods**



**Students and faculty exploring the flowering crops**

**Skilled experts working in Fields explained to students about the Organic farming processes crop wise (Tomato, Tobacco, Mirchi) , composition of Ghana Jeevamrutham, Drava Jeevamrutham , the way of applying fertilizers and the types of insect traps etc.**



**Students explored the Green Houses , Poly Houses , Shady nets and observed the technology using there and also Visited Soil and Water Testing Centers and learned the functionality and processes over there.**



## **Students and faculty Exploring Green Houses , Polyhouses and Shade Nets**

### **Students and Faculty visiting Biomanure units and learning the process**

**Scientist Dr Venkata Subbaiah Garu explained to the students about cultivation of various flowering and fruit crops . He also showed the process of various types of Grafting procedures and tissue culture procedures.**

**Students visited Various types of Green Houses , Polyhouses , Shadnets and learnt the procedure of Protecting and growing vegetables and flowering plants in controlled conditions by controlling Temperature, sunlight and humidity .**



**Staff and students for two days ( 12.2.2020 & 13.2.2020) and after exploring all the primary training Centers in University returned back to Vijayawada .**



**The tour was very informative and beneficial to Botany students .**

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**Machavaram, Vijayawada, Krishna District, AP-520 004**



**DEPARTMENT OF BOTANY**

# SRR & CVR (A) GDC, Vijayawada

## Department of Chemistry

### Field Trip to SDSC SHAR on 30 & 31<sup>st</sup> Dec 2019

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#### *Report by Dr. G. Nagarjuna, Lecturer*

Department of Chemistry in collaboration with department of Mathematics, Physics and Statistics organized an educational tour to all the B.Sc students in the month of Dec – 30 & 31<sup>st</sup> 2019.

- Since the goal of education is to impart knowledge to students, they gain knowledge and upgrade their skills by using the new concepts they learn from these educational tours. In addition, educational tours play an important role in educating our students in a practical and interesting manner. The importance of Educational trips includes giving students the chance to— build closer bonds with their classmates, experience new environments and enjoy a day away from the classroom.
- The visit was planned according to the suggestions of our beloved Principal **Dr. Velaga Joshi**; **Convener: Dr. G. Lalitha**; Senior member: K.V. Nagalakshmi; Members: **Dr. G. Nagarjuna**, M.L.N.Dasu, Dr. Md. Mastan and Some of the guest faculty members.
- Satish Dhawan Space Centre or Srihari Kota Range is a rocket launch centre operated by Indian Space Research Organisation. It is one of the prestigious institutions of India where our legendary scientist Dr. APJ Abdul Kalam executed his ideas towards the development of National Space Research Programme.
- This Centre has the facilities for solid propellant processing, static testing of solid motors, launch vehicle integration and launch operations etc.
- The Centre has two launch pads from where the rocket launching operations of PSLV and GSLV are carried out. The mandate for the centre is (i) to produce solid propellant boosters for the launch vehicle programmes of ISRO (ii) to provide the infrastructure for qualifying various subsystems and solid rocket motors and carrying out the necessary tests (iii) to provide launch base infrastructure for satellites and launch vehicles.

We started from here by Bus on 30<sup>th</sup> December 2019 night to SDSC SHAR, Nellore. We visited SHAR center on 31<sup>st</sup> December 2019. The visit was started with checking at the main gate, and they won't allow mobiles to take along with us. We went to seminar hall over there, where we saw a ppt including brief history of SHAR, reasons to select that area for rocket launching and so many things.

We went to MCC (Mission Control Center), is a facility that manages space flights, usually from the point of launch until landing or the end of the mission. It is part of the ground segment of spacecraft operations.

Then we moved to launching pads. A **launch pad** is an above-ground platform from which a rocket-powered missile or space vehicle is vertically launched. The Centre has two operational orbital launch pads. The modern First Launch Pad was built in the early 1990s for the polar satellite launch vehicle. Second Launch Complex became operational in 2005 for accommodating PSLV, GSLV and GSLV Mk III launch vehicles of ISRO.

Later on we went to SPACE museum. The museum has full-scale model of PSLV and PSLV heat shield on its premises. The museum also has scaled down (one fifth in size) models of GSLV, GSLV Mk-III. Space Museum provides a tell-tale account of the Indian Space Programme from its infancy. The story of the Indian Space Programme is unfurled in six sections, comprising of history, education, technology, applications, global and the future.

I enjoyed the visit a lot, as it gave me an opportunity to understand the importance of spaceport of India and to know well about my students and their nature. I strongly recommend this type of tours would definitely help students to understand basic phenomenon in Physics and Chemistry that were used in Spacecraft operations. And it would definitely inspire students to pursue higher education in the field of space science and get employability in these kinds of highly prestigious institutions. In this contest, I felt very happy to know that some of the student determined and asserted to pursue higher studies and get themselves involved in Space Research.

Dr. G. Nagarjuna  
Lecturer in Chemistry.

# SDSC- SHAR Field trip on December 31<sup>st</sup> 2019



## Class Room interaction about SDSC SHAR among students of III B.Sc



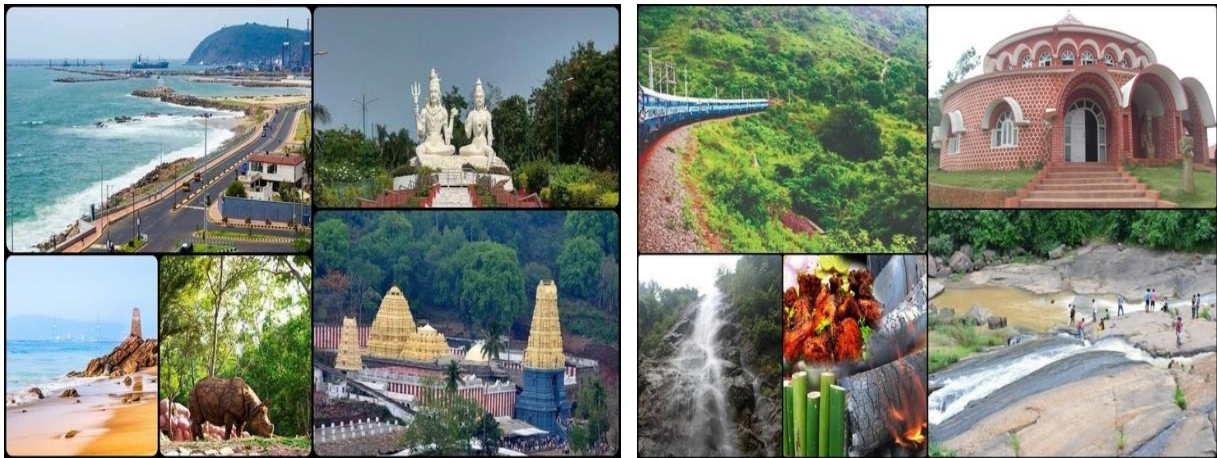
# **BRIEF REPORT ON VISAKHAPATANM & ARAKU VALLEY EDUCATIONAL TOUR**

**CONDUCTED BY**

**Dept's of  
ECONOMICS, POLITICAL SCIENCE, HISTORY & PUBLIC ADMINISTRATION**

**SRR & CVR GOVT. DEGREE COLLEGE (A), VIJAYAWADA**

**Date: 24-02-2020 to 27-02-2020**



**SUBMITTED**

**BY**



**N JOHN SUKUMAR  
TOUR CONVENER  
HOD, DEPT OF ECONOMICS  
SRR & CVR GOVT. DEGREE COLLEGE (A), VIJAYAWADA**

# BRIEF REPORT ON VISAKHAPATANM & ARAKU VALLEY EDUCATIONAL TOUR

Education Tour offers an opportunity for a rich immersion experience and tremendous way to facilitate learning. In educational tour, students have the chance to experience and explore much deeper level than they ever could in the class room. Therefore the Department of Economics, Political Science, History & Public Administration, SRR & CVR Govt. Degree College (A), Vijayawada, Krishna District organized an educational tour to Visakhapatnam & Araku Valley on 24<sup>th</sup> and 27<sup>th</sup> February, 2020. This was a great idea of Dr. Velaga Joshi, The principal of SRR & CVR Govt. Degree College, Vijayawada. This idea implemented by the staff members of Department of Economics. Political Science, History & Public Administration. Fifty Five students of which 14 were girls and 42 were boys from our BA Group went for the tour accompanied by seven faculty members, Sri. N. John sukumar (HOD, Department of Economics) as a convener.

**Pre planning and preparation:** Success of every event is depends upon the strong planning and coordination. So like other tours conducted earlier we have given maximum time and used highest resources to plan educational tour for our students.

**Selection of location:** It is very important in the prospect of all the essential aspects as part of curriculum, education, inspirational and motivation. Keeping all factors in mind our faculty and students together decided to go to Visakhapatnam & Araku Valley.

**Train booking:** After taking final list of the students and staff members Sri. N John Sukumar & co booked train tickets with student concession from Vijayawada to Visakhapatnam in Rathnachal express and from Visakhapatnam to Vijayawada in LTT express.

**Bus Booking in Visakahapatnam:** We booked very comfortable busses (1 AC bus for Gils and 1 luxury bus for boys).of Tejaswani Travels for three days to see Visakhapatnam & Araku Valley well in advance.

**Accommodation Breakfast and Dinner:** We have booked rooms in Shyam AC dormitory for three days well in advance. Breakfast Lunch and dinner is arranged by the tour convener at castle a sea view hotel.

## **Objectives of the tour**

The specific objectives of the tour are

1. **Real world experience:** Students practice their skills and critical thinking abilities outside of the controlled class rooms and he/she able to learn real world lessons.
2. **Socialization:** Taking students into a new environment give us the experience of travelling in a group teaches us to socialize and to be respectable of the places we visit.

3. **Reinforcement:** The tour can reinforce what a teacher has been instructing in class room about the subject and help students understand the topic better.

4. **Bonding:** students may be spend much of the trip day in small groups observing, chatting and learning about each other, and it will form a new bond among the students.

5. **Fun:** Students have fun and enjoyment with their friends and they also may return to the class room with a renewed focus with their college work.

### **Significance of the tour:**

The educational tour provided valuable learning opportunities away from the class room without using the text books and other normal college setting. By coming into direct contact with different environment student can better understand their place in the community and develop openness to differences in others. Particularly we planned to meet the tribal people and find out their life style and economic conditions of them.

### **Tour proceedings**

**22<sup>th</sup> February 2020:** All the 55 students and Seven staff members presented in SRR & CVR Govt. Degree College, Vijayawada at 5:30PM. All the students gathered at Sri Viswanatha kala vedika



and Dr. Velaga Joshi garu gave them some instructions about the tour and each and every student is given the instructions through whatsapp group by tour management. We had a photo session with principal, staff and the students.

Then we have divided the students into six groups. Each group is headed by one faculty member and instructed the students to gather at Clock tower, Vijayawada railway station on 24<sup>th</sup> Feb. 2020 by 5 AM and we dispersed.

**24<sup>th</sup> February 2020 (Monday):** All the students gathered near clock tower at Vijayawada railway station and moved to platform no 5 to catch Rathnachal Express. The train started at exactly 06:05 AM. It's a few hours journey to reach Visakhapatnam railway station. It took six and half Hours to reach our



destination. We reached Visakahaptnam at 12:30 PM. All the students and staff members completed their Lunch in the station itself. Tejaswani busses came to rail station at 1:30 PM. And we moved to Shyam AC Dormitory. We kept our luggage in the rooms and freshened up and moved to see

Visakahpatnam. First we went to Ramanaidu studios but time not permitted us it was closed. Then straightway we went to Thotlakonda a Buddhist site.

**Thotlakonda:** Thotlakonda is a Buddhist site located on the way to Bheemili Town. The name



literally means Troughs which are used to store the rain water. Thotlakonda was a much influenced Kalinga region from where the Buddhism was carried out to Sri Lanka and various other parts of South- East Asia. Hinayana Buddhist complex came into spotlight when

an excavation was conducted in the period of 1988 – 1993 by Archaeological Department of Andhra Pradesh. This complex dates back to 2000 years. The roman coins and Satavahana coins found here indicates that the foreign trade flourished here. After visiting this historical place we moved to Rishikonda Beach.



**Rishikonda Beach:** Rishikonda Beach lies on the Bhimli road and is a magnificent beach resort. It is also known as “the Jewel of the Eastern coast” due to its picturesque aesthetics. Sitting by the



coastal shores and watching the waves of the Bay of Bengal is a great leisure activity. The golden sand dunes and aqua water of the sea present a spectacular sight. The beach is also named as “Sight for swimmers” as it is safe for swimming and other marine activities.

After visiting Rushikonda beach we went to Castle the beach hotel for dinner. After taking the dinner we came back to Shyam AC Dormitory.

**25<sup>th</sup> February 2020 (Tuesday):** Today we started at 8:30 AM in two Volvo busses to castle for our breakfast. After finishing the breakfast we rushed to Sinhachalam.

**Simhachalam Temple:** Simhachalam Temple is also known as Simhadri temple. The idol of Lord



Narasimha in the temple is in tribhangi posture. It resembles the head of lion on a human frame. The temple faces the west direction and has fine collection of Kalinga architecture. The inscriptions in the temple date back to the 11th and 12th century. The area

around the temple has coverage of mango trees, shrubs and cashew trees. After visiting Simhachalam we have a plan to visit Kailasagiri.

**Kailasagiri Park:** Kailasagiri is a famous tourist attraction point in the city. It was established by Vishakhapatnam Urban Development Authority and was announced plastic-free zone. The park is



based at a 360 feet high hill offering you panoramic view of the serene surroundings. It spans over 150 hectares of land having lush green grass and tropical trees. We can view the Bay of Bengal on the eastern edge of the park. The Vishakhapatnam city and forests are easily visible on the other edges. The main focal point in the

park is a statue of Lord Shiva and Parvati. The exquisite is made of white marble and has a height of about 40 feet. We visited the nearby attractions such as Shanti Ashram, seven wonders of Vishakhapatnam, Titanic view point, Gliding base point and many others. There was train available here to see in and around kailasagiri. Some of our students entered into rope way. It's a first of its kind in Andhra Pradesh as well as in the whole of coastal India. It offers a 360-degree view from the fibre-glass cabins while travelling up and down the 375 meter rope way. After visiting this kialasagiri we went for the Lunch in same place where we had the breakfast at Castle. After lunch we moved to Ramanaidu Film Studios.



**Ramanaidu Film Studios:** The entire studio can be covered in less than 40 minutes. As the studio is located on the top of a hill and offers a mesmerizing view of the ocean. Actually it looks like a small planned city with all types of houses, a bungalow, small temple and shops. The buildings are real and their interiors are made as per shooting requirement



**Ramakrishna Mission Beach:** Rama Krishna Beach is a heavily crowded beach during the peak summer seasons. The tall lush green coconut trees, golden sand dunes and the emerald sea water all look exceptional. A barefoot stroll along the coastal shores of the beach is a pleasurable activity. We ate the local seafood that is available at the food stalls along the coastal shores. The sunset at the beach is adorable.

**INS Kursura Submarine Museum:** Museum is also known as Swarna Jyoti Museum and showcases the rich artifacts of Indian nautical history. In the museum number of pictures, model and other



exhibits that reveal the rich ancient history of the Indian marine history. The students learned about the growth and development in Indian Navy after the Independence. All the exhibits of the Naval Museum have been classified into five categories. The main five groups are naval archives, ocean resources maritime history, and eastern seaboard setups, and ports.

**TU 142 Aircraft Museum:** After 30 years of service the TU-142M aircraft of Indian Navy was decommissioned and placed at Visakhapatnam sea beach by converting it to a museum. Located



just opposite to Submarine museum this became one more major tourist attraction at RK beach area. There is an entry fee of Rs 70 / - per person. Before entering into the aircraft a guide has been given to us and he explained everything about the Aircraft. We can see display of

various

equipments and parts of aircraft placed inside one exhibition hall. Equipments like sonobuoys, propeller, engine, survival kit, anti submarine missile, data recorder etc are displayed with all details. After visiting the exhibition we entered into the aircraft. Photography is not allowed inside the aircraft. After seeing various equipments inside the plane we came out of the aircraft from its backside door. Outside the aircraft we took photos and the area is well maintained. There is a flight simulator platform which can be enjoyed through VR headsets.



After visiting RK beach we moved for dinner at Hotel Castel and came back to Shyam dormitory. Students were given instructions about the tomorrow's Araku programme.

**26<sup>th</sup> February 2020 (Wednesday):**

**Train Journey to Araku.** Today we started at 6AM. The busses were ready to drop us at



Visakhapatnam Railway Station to catch the Vishakhapatnam-Kirandul Passenger which starts at 06:50 A.M. The tickets booked in advance and all the students settled in their respective seats. The

Breakfast finished

by our students and staff by 7:30AM. The 1<sup>st</sup> one hour of the journey feels very normal. After crossing two small stations, the train starts climbing up the hills through tunnels and bridges. Most of the time valley falls in right side of the



train while going towards Araku from Vizag and waterfalls remain at left side. On the way small and big waterfalls can be seen from the train. The green valley and river combination gives a spectacular view from the train. The train passes through tunnels and bridges on its journey. After CHIMIDIPALLI station the waterfall comes at left side just after a tunnel. The longest tunnel is 520 meter long. This train line passes through 84 bridges and 58 tunnels. The train also passes above the Borra caves.

**Araku Valley:** After an existing travel for more than 5 Hours we reached Araku railway station at 12:30 p.m. then we move to visit botanical gardens

**The Padmapuram botanical Gardens:** The Padmapuram Gardens is known to be a favorite among many tourists who visit Araku Valley. Boasting heavily of a variety of species of flora, the

garden is home to an treetop huts and a fun it. The garden was vegetables to soldiers in a plot of 26 acres into a horticulture



exquisite rose garden, toy train for rides around built to supply food and of World War II in 1942 and later on, converted nursery with a training

centre. The range of flower species and trees is a visual feast, which can be enjoyed even more if one decides to stay in one of the hanging cottages ten feet above the ground.

After visiting the botanical gardens students got the importance of protecting trees and as well as protecting the enviromnet. The time passed 2'o Clock here in gardens students were hungry and we rushed nearby hotel samjevini. After our lunch we reached Tribal museum. But due to time factor we decided not to go the museum and we moved to Borra caves. In the drive to borra we visited two important attraction in Araku. One is Galikonda view point and other one is coffee plantations.

**Galikonda View Point:** The Galikonda View Point is a small viewing point in the Ananthgiri Hills.



The place offers good views of the whole Ananthgiri hills & valleys. One can look down at the railway line and the road slowly snaking its way up from the bottom of the valley to the top. There is a small stall

at the top offering tea/ coffee and bamboo chicken (which is a local specialty). We stopped here a while and took pictures.



Then we moved to Coffee plants just in 5 mts and we started to Borra Caves.

**Borra Caves:** We reached borra caves around 4 PM. Entry fee is Rs70/- per person and ticktes b



ought for all and moved to see Caves. The caves open with 100 meter on horizontal plane and about 75 meters on vertical plane. These caves spread over an area of one square KM and the origin of river Gosthani which flows through the district. This location is at a height of 800 to 1300 meters from MSL. William King the British

geologist discovered this million years old cave in the year 1807. The humic acid in the water reacts with calcium carbonate in the limestone and dissolves the minerals breaking the rock gradually. The perennial water flow over a period of time results in the formation of caves. Stalagmites are formed due to water percolating from the roof containing calcium bicarbonate and other minerals from mounds. One can see different formations of the stalactites and stalagmites as Shiv-Parvati, Mother-Child, Rishi's Beard, Human Brain, Crocodile, Tiger and Cows udder.



After the visit of spectacular caves we returned to Visakhapatnam and we reached our rooms by 9 PM packed up everything and returned to Visakhapatnam Railway Station. Finished our dinner there and entered the train LTT Express and occupied our berths. We reached Vijayawada Railway Station by 6:30AM. After identifying the number of students we dispersed with so many memories with us.

**Feedback from the students:** Students were very much satisfied with the places selected by the tour committee. Students loved the journey to Araku and enjoyed the beauty of Valley. They also enjoyed the places like INS kurihara, Kailasagiri, Borra Caves and so on. This was the learning as well as fun oriented trip for all of them where they have developed close bond with all the students. Various inner hidden skills like leadership, creativity, singing, music etc., came out during this trip. It was unforgettable experience for all of them. They have requested to go for similar educational tour on regular basis and had shown their sincere gratitude towards Principal Dr. Velaga Joshi Garu, for his support and effort for the success of the Visakhapatnam - Araku tour.

**SRR & CVR GOVT. DEGREE COLLEGE (A), VIJAYAWADA - 4**  
**VISAKHAPATNAM – ARAKU VALLEY EDUCATIONAL TOUR**  
**24-02-2020 To 27-02-2020**  
**INSTRUCTIONS TO THE STUDENTS**

- 1) Students must attend college, on 22<sup>nd</sup> February 2020 for a photo session with our Principal along with Departmental heads.
- 2) We will get into the train (**Rathnachal express Train No: 12718**) in Vijayawada railway station at 6 AM on 24<sup>th</sup> Feb 2020. Every student must reach clock tower at Vijayawada Railway station premises by 5 AM.
- 3) We are going to get down at Visakhapatnam railway station on 24<sup>th</sup> February 2020 at 12:15 PM and students are instructed to finish their lunch at railway station itself and we will move to Shyam AC Lodge (Dormitory). Check in time: 01 PM
- 4) Tentative Tour schedule
  - 24-02-2020** After a little bit rest going to see Vizag surrounding places
  - 25-02-2020** Going to visit some of the important places in Vizag
  - 26-02-2020** Araku valley – we must reach Visakhapatnam Railway station by 6AM the train starts to Araku at 6:50AM. After Finishing Araku visit we will come down to Vizag, finish our Dinner and vacate the rooms by 10PM and must reach Visakhapatnam Railway station by 10:30 PM to catch **VSKP LTT Express (18519). The train starts at 11:25PM.** We will reach Vijayawada at 06:35 AM on 27<sup>th</sup> February 2020
- 5) Students should bring their lunch and dinner for the first day of tour.
- 6) Students are informed to bring money to pay for any kind of entry expenses in sightseeing.
- 7) You can bring blankets, socks and mosquito coils with them.
- 8) You can carry your refreshment (chapattis, puris, lemon rice, snacks, water, etc.) to eat in train on 24<sup>th</sup> February 2020 if possible. You are free to bring eatables with you or you can take breakfast, lunch in train with your own expenses.
- 9) You are informed your coach and seat no priorly and student have to occupy his/her seat and afterwards you can adjust your seat with your friends.
- 10) **Every Group must name one student as a leader for their team.**
- 11) **Students must bring college ID and aadhar card with them and they have to show when ever is required in the entire tour.**
- 12) You have to safeguard your own belongings.
- 13) Please avoid bringing any expensive gadget or valuables.
- 14) **You are expected to be in line with the faculty decision, and behave in a decent manner.**
- 15) Students are not supposed to engage in any unacceptable activity that would hamper the repute of the institute.
- 16) You have to report to your group leader every time.
- 17) **You are not supposed to go anywhere without faculty permission.**
- 18) Each time you board a bus or leave a building, you should take a count of your group.
- 19) **If a there is a medical concern during the trip, notify faculty immediately.**
- 20) Students must prepare tour book and submit it with feedback and suggestions.
- 21) Students are divided into seven groups headed by seven faculty members and the details are already posted in whatsapp group.

**N JOHN SUKUMAR**  
Tour Convener



# SRR & CVR GOVT. DEGREE COLLEGE (AUTONOMOUS)

## VIJAYAWADA - 4

We, The **Departments of Economics, History, Political Science and Public Administration** are planning to go for an educational tour to Visakhapatnam and Araku vally on **24<sup>h</sup> February, 2020**. The train Numbers and Names, Journey date and the details of staff and students are under given.

**1. On wards Journey: Date: 24/02/2020 Monday Ratnachal Express (12718)**

**From Vijayawada(BZA) 06:05 AM**

**To Visakhapatnam(VSKP) 12:15 PM**

**2. Return Journey: Date: 26/02/2020 Wednesday VSKP LTT Express (18519)**

**From Visakhapatnam(VSKP) 11:25 PM**

**To Vijayawada(BZA) 06:35 AM (27-02-2020)**

**3. Date: 26/02/2020 Wednesday VSKP-KRDL PASS (58501)**

**From Visakhapatnam(VSKP) 06:50 AM**

**To Borra Guhalu(BGHU) 09:40 AM**

**No of Students: Female: 14 Male : 40 Total : 54**

**No of Staff Members: Female: 02 Male : 06 Total : 08**

**Total No of travellers: 62**

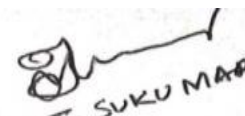
### STAFF IIST

| Sl. No. | Name of the Student   | Group | Sex    | Age |
|---------|-----------------------|-------|--------|-----|
| 1.      | N.John Sukumar        |       | MALE   | 46  |
| 2.      | P. Srinivasulu        |       | MALE   | 49  |
| 3.      | K. Chandra Sekhar     |       | MALE   | 43  |
| 4.      | A.Chandrasekharachary |       | MALE   | 42  |
| 5.      | K Narasimha Rao       |       | MALE   | 40  |
| 6.      | Khurdus Ghani         |       | MALE   | 26  |
| 7.      | G. Jhansi             |       | FEMALE | 38  |
| 8.      | B. Sundara Kala       |       | FEMALE | 37  |

### STUDENTS LIST: BOYS: 40 GIRLS: 14 TOTAL: 54

|     |              |      |        |    |
|-----|--------------|------|--------|----|
| 9.  | J Chandrika  | I MA | FEMALE | 26 |
| 10. | Gnaneswari   | 3 BA | FEMALE | 20 |
| 11. | Karishma     | 3 BA | FEMALE | 19 |
| 12. | Heena        | 3 BA | FEMALE | 19 |
| 13. | ramanamma    | 3 BA | FEMALE | 19 |
| 14. | Divya        | 3 BA | FEMALE | 20 |
| 15. | Shahida Banu | 3 BA | FEMALE | 20 |
| 16. | Lakshmi      | 3 BA | FEMALE | 20 |
| 17. | Revathi      | 2 BA | FEMALE | 19 |
| 18. | Subhashree   | 2 BA | FEMALE | 19 |

|     |               |          |        |    |
|-----|---------------|----------|--------|----|
| 19. | Sravani       | 2 BA     | FEMALE | 19 |
| 20. | Gayatri       | 2 BA     | FEMALE | 19 |
| 21. | Durga Bhavani | 2 BA     | FEMALE | 20 |
| 22. | Tejaswini     | 2 BA     | FEMALE | 20 |
| 23. | Raghava       | 3 BA     | MALE   | 20 |
| 24. | Sai           | 3 BA     | MALE   | 21 |
| 25. | Praveen       | 3 BA     | MALE   | 22 |
| 26. | Anil          | 3 BA     | MALE   | 21 |
| 27. | Jani          | 3 BA     | MALE   | 21 |
| 28. | Isu           | 3 BA     | MALE   | 24 |
| 29. | Rambabu       | 3 BA     | MALE   | 21 |
| 30. | Suri Babu     | 3 BA     | MALE   | 21 |
| 31. | Teja Sai      | 3 BA     | MALE   | 25 |
| 32. | Lokesh        | 3 BA     | MALE   | 22 |
| 33. | Santosh       | 3 BA     | MALE   | 21 |
| 34. | Anil Kumar    | 3 BA     | MALE   | 22 |
| 35. | Ravi Shankar  | 3BA      | MALE   | 22 |
| 36. | Govind        | 3 BA SHP | MALE   | 25 |
| 37. | Praveen       | 3 BA SHP | MALE   | 23 |
| 38. | Korneli Raj   | 3 BA SHP | MALE   | 20 |
| 39. | M Govind      | 3 BA SHP | MALE   | 22 |
| 40. | Sai Kumar     | 3 BA SHP | MALE   | 23 |
| 41. | Yesu Babu     | 3 BA     | MALE   | 22 |
| 42. | Durga Prasad  | 2 BA     | MALE   | 20 |
| 43. | Raghu Babu    | 2 BA     | MALE   | 20 |
| 44. | Durga Sai     | 2 BA     | MALE   | 20 |
| 45. | Shiva         | 2 BA     | MALE   | 20 |
| 46. | Santosh Kumar | 2 BA     | MALE   | 20 |
| 47. | Hari Krishna  | 2 BA     | MALE   | 20 |
| 48. | Navyanth      | 2 BA     | MALE   | 20 |
| 49. | Anil Kumar    | 2 BA     | MALE   | 20 |
| 50. | Gopi          | 2 BA     | MALE   | 20 |
| 51. | Ramprasad     | 2 BA     | MALE   | 20 |
| 52. | Pawan Kalyan  | 2 BA     | MALE   | 20 |
| 53. | Iqbal         | 2 BA     | MALE   | 22 |
| 54. | Ruphous       | 2 BA PPP | MALE   | 22 |
| 55. | Ajay          | 1 MA     | MALE   | 22 |
| 56. | Rajesh        | 1 MA     | MALE   | 22 |
| 57. | Vamshi        | 1 MA     | MALE   | 22 |
| 58. | Narasimha     | 1 MA     | MALE   | 23 |
| 59. | Alankar       | 2 MA     | MALE   | 21 |
| 60. | Sai Kumar     | 2 MA     | MALE   | 22 |
| 61. | Shravan Kumar | 2 MA     | MALE   | 22 |
| 62. | Sagar Babu    | 2 MA     | MALE   | 23 |

  
 (N.J. SURI MAR)



**SRR & CVR GOVERNMENT DEGREE COLLEGE**  
VIJAYAWADA, KRISHAN  
DIST., A.P.NAAC  
B+GRADE (CGPA:2.60)



## **DEPARTMENT OF MICROBIOLOGY**

### **INDUSTRIAL VISIT**

**HINDUSTAN COCA COLA  
BEVARAGES,Pvt,Ltd  
Atmakuru, Guntur(Dt).**

**24-09-2019.**



# SRR & CVR GOVT. DEGREE COLLEGE

(Autonomous)

NAAC accredited with 'B'' Grade

Machavaram, Vijayawada – 520 004, Krishna District.



Cell: 94922 34488 Ph: 0866-2430060 Fax: 0866-2441092 www.srrcvt.org srrandcvt@gmail.com

**Dr. Velaga Joshi**, Principal

M.A.(PHIL), M.A.(H), M.A. (M.C.J.), B.L., M.Phil., Ph.D

To

The Manager,  
Hindustan Coca-cola Beverages Pvt. Ltd.,  
Athmakur,  
Mangalagiri,  
Guntur (Dt),  
Andhra Pradesh.  
PIN-522302

20.09.19

Sir,


Sub: Request for permission of our Microbiology students to visit your  
Reputed company - regd.,

With reference to above subject, as part of Degree course curriculum, the students of our college who are studying Microbiology need to visit industry and should expose to R&D division. Hence I request you kindly permit 25 students of our college to visit your reputed company in your convenient date and time.

Your kind permission to visit industry is more useful to upgrade knowledge & skill of student community.

Thanking you.

Yours Truly,

  
PRINCIPAL

SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA - 520 004.

## **FIELD TRIP COCA-COLA BEVERAGES**

“Ones Destination is never a place, but a new way of seeing things”

Hindustan Coca-Cola Beverages private limited. One of the branches of this company. Located near Vijayawada in Atmakur village.

The Coca-Cola Company is an American corporation, and manufacturer, retailer and marketer on alcoholic Beverages Concentrates and syrups.

The company is best known for its. Flagship product Coca-cola invented in 1886 By Pharmacist John stith Pemberton in Atlanta Georgia.

The Coca-Cola Company and formula brand where brought in 1894 by As a Griggs Candler who incorporated the Coca-Cola Company.

The company only produces syrup concentrate which is then sold to various bottlers throughout the world Here the list of some Coca-Cola products are minute maid, Coca-Cola, Fanta , sprite, Diet coke, Coca-Cola zero, vitamin water and powdered, Gold peak,Pepsi,Thumsup etc.,

My experience on field trip of Coca-Cola:

Iam K.vishwanethry presenting Bsc Microbiology in srr and cvr government degree college .As a part of our course we have to attend some field trips. On behalf of that we are invited to coca beverages for study of Microbial Activity for the Bulk production of Beverages. The representative of that company guided us to learn. How the product is manufactured. That branch is one of the biggest production unit of Coca-Cola Beverages.

The production starts with Sugar, Fruit juice, flavours and Concentrate Or Beverage base. We studied the microbial usage for Beverage production.

The responsibility of this field trip was headed by our two faculty members Mrs.D.Jyothi in charge of Botany and microbiology Dept.

and Mrs.Dorcas Anand mam Dept of Microbiology of our college the company also co-operated with us for a success full field trip.

You are Entering an ISO 9001-2008, ISO 14001-2004, ISO 22000:2005, OHSAS 18001-2007 Certified Plant

087 23440881823

హిందుస్థాన్ కోకా-కోలా బేవరేజీస్ ప్రైవేట్ లిమిటెడ్

Coca-Cola

అత్యుత్తమ విలేజ్, మంగళగిరి మండలం, గుంటూరు జిల్లా - 522503  
రిజిస్టర్డ్ ఆఫీసు: బి - 91, మాయాపురి ఇండస్ట్రియల్ ఏరియా, ఫేస్-1, హైదరాబాద్ - 110 064  
ఫోన్: (08645) 234505 & 234506, ఫ్యాక్స్: 08645-234508.



Welcome!



HCCB  
HINDUSTAN COLA BEVERAGE PVT. LTD.

Atmakuru Unit



Abroad  
Mobile Phone Use  
While Driving



SAKSHI



First Aid



Atmakuru Unit





SRR & CVR GOVERNMENT DEGREE COLLEGE  
VIJAYAWADA, KRISHAN  
DIST., A.P.NAAC  
B+GRADE (CGPA:2.60)



# DEPARTMENT OF MICROBIOLOGY

EDUCATIONAL TOUR

29<sup>TH</sup> Jan - 1<sup>ST</sup> Feb 2020

**MADRAS UNIVERSITY**



# SRR & CVR GOVT. DEGREE COLLEGE

(Autonomous)

NAAC accredited with 'B' Grade

Machavaram, Vijayawada - 520 004, Krishna District.

Cell: 94922 34488 Ph: 0866-2430060 Fax: 0866-2441092 www.srrcvt.org srrandcvt@gmail.com



**Dr. Velaga Joshi**, Principal

M.A. (Ph.D.), M.A. (2nd), M.A. (M.C.), B.L., M.Phil., Ph.D.

To,

27-12-2019

The Head of the Department,  
Dept. of Microbiology & BOTANY  
University of Madras,  
Chennai.

Dear Sir,

Sub: Requesting letter to issue permission letter to visit your department for our faculty & students of our college- regd.,

With reference to subject cited above, As part of course curriculum our students & faculty are desperately need to visit your prestigious department to upgrade knowledge & want to equip themselves to confront every challenge of present society.

I request you kindly grant permission to our team to have cutting edge knowledge. On after 26<sup>th</sup> January.

Thanking you Sir.

Yours Sincerely

No of students - 25

No of faculty - 03

Principal  
**PRINCIPAL**  
**SRR & CVR GOVT. DEGREE COLLEGE**  
(Autonomous)  
Machavaram, VIJAYAWADA - 520 004



# SRR & CVR GOVT. DEGREE COLLEGE

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**Dr. Velaga Joshi**, Principal

M.A. (Ph.D.), M.A. (His), M.A. (M.C.J.), B.L., M.Phil., Ph.D.

To,

The Divisional Regional Manager,  
South Central Region,  
Vijayawada Railways,  
Vijayawada.

Respected Sir,

Sub: Request for concession for education tour for students of  
SRR & CVR Govt degree college, Vijayawada .

The students of SRR & CVR Govt degree college are visiting  
Madras University as a part of Educational Tour on 30/01/2020.

No of students – 21 , Girl students – 08 , Boys – 11, Faculty – 02.

In this regard I humbly request you to give concession for  
students and faculty.

Train No 12711 towards Chennai on 30/01/2020.

Train No 12712 towards Vijayawada on 01/02/2020.

Thanking you,

Yours Truly,

PRINCIPAL  
SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA - 520 004.

SRR & CVR GOVT DEGREE COLLEGE (A)

ACCEPTANCE LETTER

I Dram Father/ ~~Mother~~ of B. Teja studying Bsc. MBL in SRR & CVR GOVT DEGREE COLLEGE (A), Here by giving my acceptance to send my son / ~~daughter~~ to **CHENNAI** Educational tour on 29<sup>th</sup> January to 1<sup>st</sup> Feb conducted by Dept of microbiology.

B.v. Prakash  
Signature of parent

B. Teja naga Sai  
Signature of student

D. Jyoth  
Signature of in-charge of  
Dept of Botany & Microbiology

  
Signature of Principal  
SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA - 520 004.

SRR & CVR GOVT DEGREE COLLEGE (A)  
ACCEPTANCE LETTER

I Srinivas Father/ Mother of Surya studying MBC-II in SRR & CVR GOVT DEGREE COLLEGE (A), Here by giving my acceptance to send my son / daughter to **CHENNAI** Educational tour on 29<sup>th</sup> January to 1<sup>st</sup> Feb conducted by Dept of microbiology.

G. Syothi  
Signature of parent

G. Surya Prakash.  
Signature of student

D. Jayanthi  
Signature of in-charge of  
Dept of Botany & Microbiology

  
Signature of Principal  
**SRR & CVR GOVT. DEGREE COLLEGE**  
(Autonomous)  
Machavaram, VIJAYAWADA - 520 004.

# SRR & CVR GOVT DEGREE COLLEGE (A)

## ACCEPTANCE LETTER

I Rajiv D Father/ Mother of Keerthi D studying 1<sup>st</sup> MBc in SRR & CVR GOVT DEGREE COLLEGE (A), Here by giving my acceptance to send my son / daughter to **CHENNAI** Educational tour on 29<sup>th</sup> January to 1<sup>st</sup> Feb conducted by Dept of microbiology.

D. Raju  
Signature of parent

Keerthi D  
Signature of student

D. Jaysh  
Signature of In-charge of  
Dept of Botany & Microbiology

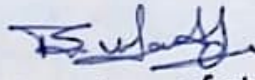
[Signature]  
Signature of Principal  
SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA - 520 004.

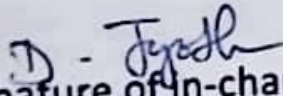
SRR & CVR GOVT DEGREE COLLEGE (A)


ACCEPTANCE LETTER

I B. Mohan Rao Father/ Mother of Vijayal studying B. MBC in SRR & CVR GOVT DEGREE COLLEGE (A), Here by giving my acceptance to send my son / daughter to CHENNAI Educational tour on 29<sup>th</sup> January to 1<sup>st</sup> Feb conducted by Dept of microbiology.

B. Mohan Rao.  
Signature of parent

  
Signature of student

  
Signature of In-charge of  
Dept of Botany & Microbiology

  
PRINCIPAL  
Signature of Principal  
SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA - 520 002



## EXPERIENCES OF STUDENTS ABOUT EDUCATIONAL TOUR TO CHENNI

5



### **DEPARTMENT OF BOTANY & MICRO BIOLOGY MADRAS UNIVERSITY ---EDUCATIONAL TOUR**

On 30<sup>th</sup> January, 2020, 30 students with 2 teachers went to MADRAS UNIVERSITY GUINDY CAMPUS with an aim to visit the DEPARTMENT OF BOTANY & MICROBIOLOGY. The objective of this trip was to get to know university in more details in terms of the instrumentation and exposure to the different applications. We went to different departments of Botany including plant pathology, microbial and metabolites lab, mycology lab, algal lab, fungal lab. We saw the instrumentation of each department mainly: Mille Q water purifier, shake incubator, centrifuge, cooling centrifuge. We are guided by host for each department who explained in detail about the particular research work going in the lab. During the tour we jotted down some notes. We came to know that there is a lot of research work going on in different aspects. We learned various things about the university, and something that was new and beneficial to us. The trip was very helpful for the practical knowledge which was not available everywhere.



A. MadhuNinarika  
3<sup>rd</sup>B.Sc BZC

### **EXPERIENCE AT MADRAS UNIVERSITY**

We the young gangsters of Bsc BZC and MBC have a phenomenal experience at Madras University. We took a lot of effort in the university to learn about the weird things. The atmosphere in the university is quite remarkable and amazing. We have enjoyed a lot, learnt different things and captured some funky memories. Apart from the memories that we have collected we have gathered a lot of information and read a lot of books that were present in the central library and learnt a lot about the instrumentation concepts which are useful and beneficial to us. We saw algology lab and saw certain algae and performed some experiments on it. We were just amused with the research that was going on in the University. The university has just lifted up on our thoughts with the research. We have visited plant pathology lab and saw different samples that were infected to plants such as tomato etc. We saw different types of instruments such as laminar air flow in which advanced research is going on. Most importantly we saw the bio imaging in which it uses fluorescent property to detect the cancer cells. We also visited the central library in which there are a lot of useful books to study and also there is a lot of knowledge to gather. Moreover the university and professors have shown us how the university feels when we study over there. Moreover we enthusiastically performed all the activities in the university with great interest. The time has just flown away and cherished a lot of memories. The labs in the university are very magnificent and eye catching. We enjoyed a lot in travelling, played some games and it was enjoyable. We have cherished a lot of memories and had a wonderful experience as a whole. As a result we not only gathered memories but also we have solidified a lot of knowledge.



G. Sai Ram  
2<sup>nd</sup>B.Sc BZC



### FIELD TRIP EXPERIENCE IN MADRAS UNIVERSITY

We the students of B.Sc. Microbiology & Botany departments have a experience at madras university. Taking students to an educational field trip might improve the knowledge regarding's to their own talents, skills and much more rather than they learn through looks or pictures. We visited Chennai at MADRAS UNIVERSITY to an area. The university of atmosphere is beautiful and amazing. We enjoyed a lot and we visited central Library we have collected and gathered lot of information and concepts, to gain a knowledge. Which is also a peaceful place to learn an abundant information and easy knowledge through the concept of the particular content. We can try to new things have different experiences and learn valuable life sciences lessons. Activities that happen on this university after include lectures, labs, research work and demonstration. The purpose of the research work and experience to provide occupational therapy to integrate academic knowledge. The practical experience with the help of research scholars and students remember learn and understand the subject PROF.G.N.RAMA CHANDRAN INSTRUMENTATION CENTRE will help rein force of research labs and material bringing lessons to life. Professors guided in knowledge all over view about the Institute and where the research work is going on we went the culture medias, and growth of the particular bacterias.Learning laboratories and make it possible to take students saw an high powered & bright field microscopes Algology,immunology, bacteriology, pathology laboratories certain viruses, bacteria, algae performed experiments on it. And each experience solidifies learning and important academic concepts. We enjoyed a lot .More over enthusiastic ally performed all the activities in the university. The trip was very helpful for practical knowledge which was not available any place and any where.



G. Surya Prakash  
2<sup>nd</sup>B.Sc MBC



### EXPERIENCE AT CHENNAI

Taking students to an educational field trip might improve the knowledge regarding their own talents, critical thinking, skills and much more rather then they learn through looks and pictures. SRR and CVR government Degree College migrate to Chennai Madras University to learn information about subject and the techniques they used. Where is the best way to help the students remember thinking and also to memorize the experience. Madras University has pleasant Outlook with all the plants and trees grown. All the way towards the labs and classrooms. All the students and professor lovable to showing the campus.First explain overview of Madras University and where the research is going on then we divided into two groups to saw Labs. Bacteria culture media, viruses and algal cultures.We saw the equipment like distillation unit, scanning electron microscope (SEM), spectroscopy and extraction of metabolites from plants. Then we moved to science museum. We saw collection of arts, human skulls, bones birds and animals skeletons. Later we moved to Chennai Central library there is a peaceful environment and so many books



D. Keerthi  
2<sup>nd</sup>B.Sc MBC

are there in library. Finally we moved to planetarium where we saw physics equipment and know about planets. All the students who involved very much excited to gather the fruitful knowledge with the trip.





# **S.R.R. & C.V.R GOVT. DEGREE COLLEGE(A)**

## **Department of Biochemistry**

### **Study Visit to KVSR Siddhartha College of Pharmaceutical Sciences on 27.11.2021**

**Report prepared by Sd V Tahaseen**

Department of Biochemistry organized a study visit to II B.Sc. students (M.B.C and M.B.F) on 27.11.2021 to Central instrumentation lab - Siddhartha College of Pharmaceutical Sciences, Vijayawada.

The study visit is aimed to enhance the zeal of students towards the recent advances in the field of pharmaceutical sciences and to understand the applications of advanced instruments in the field of research in life sciences.

Students were taken to the library, poster presentation section, and Instrumentation lab on the study visit.



Pharmacy students presented posters on various aspects of biochemistry, green Chemistry, Food technology, multiple drugs used in the treatment of Covid-19, different techniques used to validate drugs like LC-MS, HPLC-MS, GC-MS, N.M.R., etc. Further,

# *S.R.R. & C.V.R GOVT. DEGREE COLLEGE(A)*

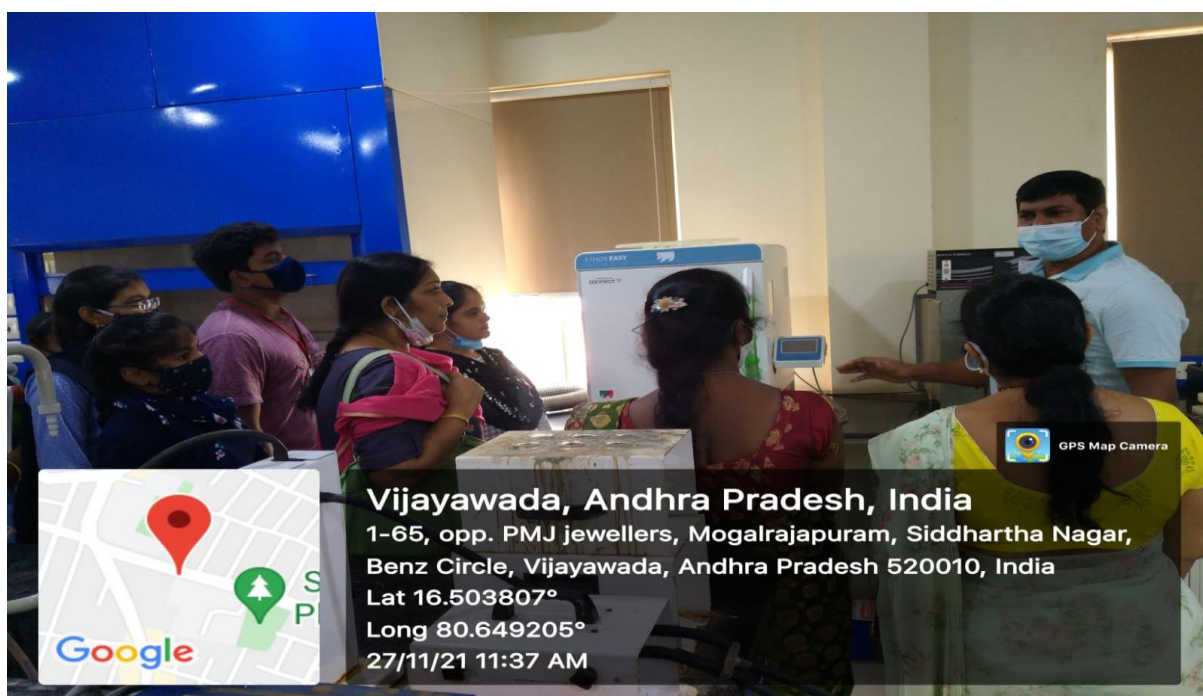
## *Department of Biochemistry*



# S.R.R. & C.V.R GOVT. DEGREE COLLEGE(A)

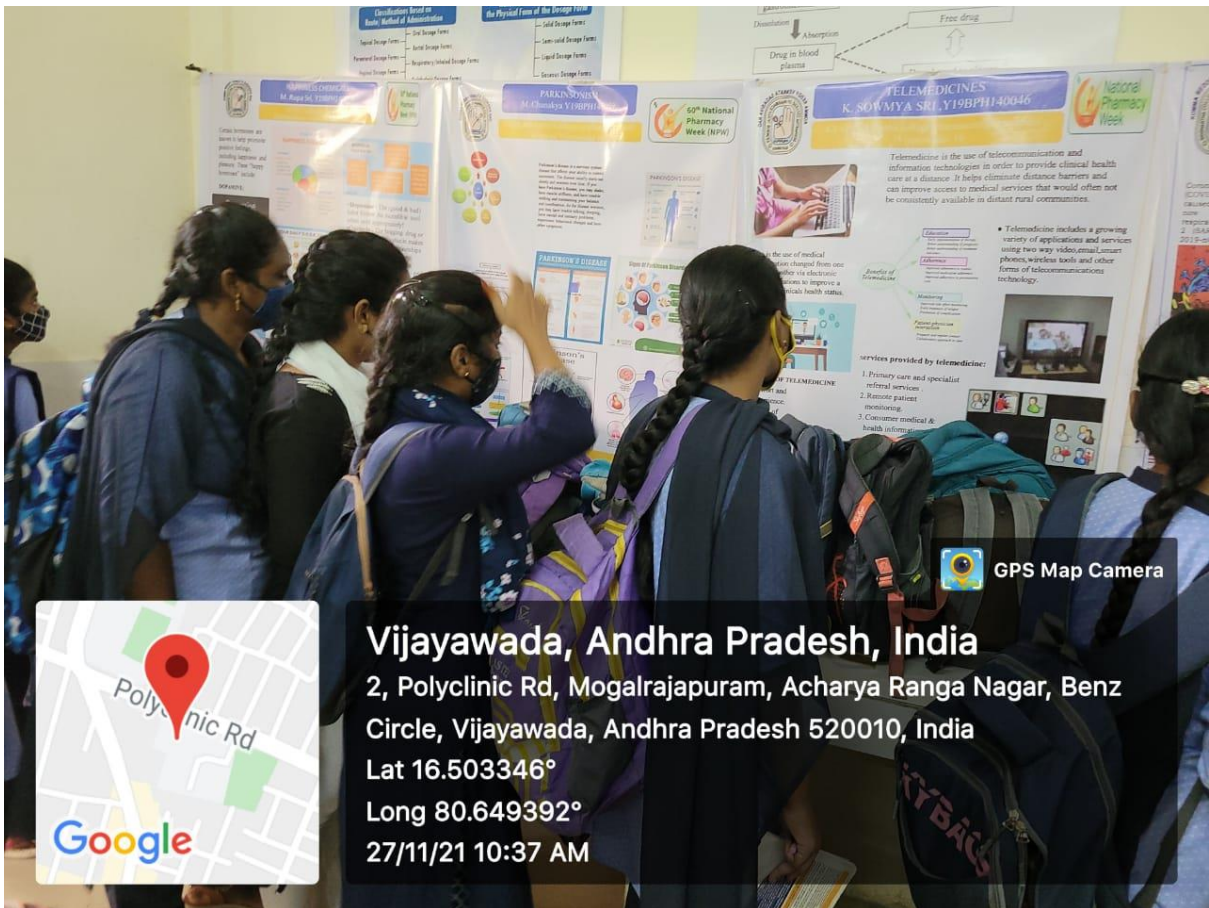
## Department of Biochemistry

Siddhartha College of Pharmaceutical Sciences is equipped with a central instrumentation lab consisting of HPLC, UV-Visible Spectrophotometer, pH-meter, FT-IR, Digital refractometer, ICP-OES (Inductively Coupled Plasma- Emission Spectroscopy), Flame Photometer, etc.; technician of that lab explained the operating procedures and principle of various instruments.



# S.R.R. & C.V.R GOVT. DEGREE COLLEGE(A)

## Department of Biochemistry



nearly 110 posters were presented relating to the various aspects of biological phenomena, herbal remedies for skin, hair, stress relieving methods, etc.

# S.R.R. & C.V.R GOVT. DEGREE COLLEGE(A)

## Department of Biochemistry



# ***S.R.R. & C.V.R GOVT. DEGREE COLLEGE(A)***

## ***Department of Biochemistry***

This study visit was very much helpful to the students, as it allowed understanding the various concepts of day-to-day life and advanced instrumentation techniques. And it would inspire students and create an interest to pursue research in the field of lifesciences.

### **Acknowledgments:**

Thank our beloved principal Dr. K. Bhagyalakshmi for giving our students and faculty permission to attend this study visit.

I extend our heartfelt thanks to Dr. G. Devarala Rao, principal, Siddhartha College of Pharmaceutical Sciences, for facilitating this study visit.

My special thanks to my colleagues Dr. SK Beebi, lecturer in chemistry, Dr. K. Anuradha lecturer in food technology and E. Sarojini Devi lecturer in biochemistry for their active part of this study visit.

Sd Vaziha Tahaseen  
Department of Biochemistry

S.R.R and C.V.R GDC (A) – Vijayawada

**SRR&CVR GOVERNMENT DEGREE  
COLLEGE(A)  
DEPARTMENT OF HISTORY  
FIELD TRIP TO UNDAVALLI&AMARAVATHI**



**DATE: 06-04-2021  
PARTICIPATED CLASSES: BA I,II,III**

# REQUISITION LETTER

Date: 04/04/2022

From  
B.Prakasam  
HOD, Department of History,  
SRR&CVR College, Vijayawada.

To

The Principal  
SRR&CVR College  
Vijayawada

**Respected Madam**

*04/4/22* Sub:- Request for permission to take student for a field trip to Amaravathi and Undavalli  
On behalf of the department of History, of request you to give permission to go for a field trip to  
Amaravathi and Undavalli on 06/04/2022 with your permission the following lecturers will be  
taking care of the students during the field trip.

1. B. PRAKSAM
2. K. AJAYI BABU
3. B. UMA TARANGINI
4. K. NARASIMHA
5. M. PADMANABHAM
6. DR. P L N DAS

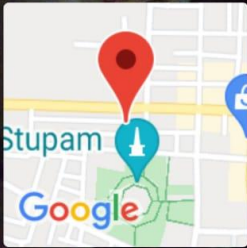
*B. Praksam*  
Yours Faithfully

B. Praksam  
Lecturer in History

**PRINCIPAL**  
**SRR & CVR GOVT. DEGREE COLLEGE**  
(Autonomous)  
Machavaram, VIJAYAWADA - 520 004.

*PLACE OF VISIT: UNDAVALLI AND AMARAVATHI TOWN*





Amaravathi, Andhra Pradesh, India

H9G4+XF4, Amaravathi, Andhra Pradesh 522020, India

Lat 16.577116°

Long 80.356295°

06/04/22 03:18 PM



## PARTICIPANT STUDENTS

List of the students  
for Field Trip

| Sl. No. | Name                    | class                | Sign               |
|---------|-------------------------|----------------------|--------------------|
| 1.      | SK. Kasimulla           | 3 <sup>rd</sup> B.A. | SK. Kasimulla      |
| 2.      | SK. Thabsum             | 3 <sup>rd</sup> B.A. | SK. Thabsum        |
| 3.      | G. Indu                 | "                    | G. Indu            |
| 4.      | R. Sravani              | "                    | R. Sravani         |
| 5.      | T. Deepthi Sasanya      | "                    | T. Deepthi Sasanya |
| 6.      | P. Jyothsna             | "                    | P. Jyothsna        |
| 7.      | P. Satish               | "                    |                    |
| 8.      | P. Thambi               | "                    | P. Thambi          |
| 9.      | P. Haritha              | "                    | <del>Haritha</del> |
| 10.     | U. Durga Rao            | "                    | U. Durga Rao       |
| 11.     | M. Saida                | "                    | M. Saida           |
| 12.     | K. Jyothi               | "                    | K. Jyothi          |
| 13.     | A. Aslesh Kumar         | "                    |                    |
| 14.     | Y. Dakshayani           | "                    | Y. Dakshayani      |
| 15.     | M. Lalitha Bhavani      | "                    | B. Lalitha Bhavani |
| 16.     | D. Aswini               | "                    | D. Aswini          |
| 17.     | K. Sahith Kumar         | "                    | K. Sahith Kumar    |
| 18.     | P. Hemanth              | "                    |                    |
| 19.     | P. Sravani              | "                    | P. Sravani         |
| 20.     | B. Annie                | "                    | B. Annie           |
| 21.     | K. Durga Rao            | "                    | K. Durga Rao       |
| 22.     | S. Bhavana              | "                    | S. Bhavana         |
| 23.     | K. Sweety               | "                    | K. Sweety          |
| 24.     | P. Srinidhi S. Srinisha | "                    | P. Srinidhi        |

BA II (2022/Ami/06)  
Class

Name

Signature

1. Rajasaktari (111) 1113 EHP (TM) P. Raja Sechar
2. Ashok (112) 1113 SHP Cr. Ashok
3. Siva Kumar (113) 1113 EHP (EM) Siva
4. Nageena (114) 1113 EHP (EM) Shaik. Nageena
5. Mohan Krishna (115) 1113 EHP (EM) A. Mohan Krishna
6. Jyothika (116) 1113 EHP (EM) D. Jyothika
7. T. Bhavani (117) 1113 EHP (TM) T. Bhavani
8. M. Deepika (118) 1113 EHP (EM) Herugu. Deepika
9. Syrya Sathwik (119) 1113 HET K. Syrya Sathwik
10. P. Sai (120) 1113 EHP (EM) P. Sai
11. T. Venkata Naveen (121) 1113 EHP (TM) T. Venkata Naveen
12. Chaitanya (122) 1113 EHP (TM) Chaitanya
13. Prakash (123) 1113 EHP (EM) Prakash
14. P. Dhanya (124) 1113 EHP (EM) P. Dhanya
15. V. Sai Manoj Varma (125) 1113 SHP V. Sai Manoj Varma

| <u>Name</u>           | <u>class</u> | <u>Signature</u>  |
|-----------------------|--------------|-------------------|
| 16. E. Anusha         | EHP (EM)     | E. Anusha         |
| 17. B. Vikramth       | EHP (EM)     | B. Vikramth       |
| 18. M. Prathanth      | EHP (EM)     | M. Prathanth      |
| 19. Vishak Kumar      | EHP (EM)     | J. Vishak         |
| 20. Rethwik           | EHP (EM)     | Rethwik           |
| 21. M. Srinu          | EHP (EM)     | M. Srinu          |
| 22. K. Veekata ramana | EHP (EM)     | K. Veekata ramana |
| 23. B. Durga Prasad   | EHP (EM)     | B. Durga Prasad   |
| 24. Nitin             | HET          | Nitin             |
| 25. Durga             | SHP          | Durga             |

|                       |                      |                  |
|-----------------------|----------------------|------------------|
| 25. T. Tejaswi        | 3 <sup>rd</sup> B.A. | Tejaswi          |
| 26. M. Sivaji         | " M=0                | Sivaji           |
| 27. P. Rama Krishna   | "                    |                  |
| 28. V. Manasa         | " V. Manasa.         |                  |
| 29. V. Raja           | " D. Raja.           |                  |
| 30. G. N. Kateswara   | "                    |                  |
| 30 L. Vijaya Krishna  | 3 <sup>rd</sup> B.A  | 2 Vijaya Krishna |
| 31. P. Prathyusha     | 3 <sup>rd</sup> B.A  | P. Prathyusha    |
| 32. M. Uma Devi.      |                      | Uma Devi.        |
| 33. B. Badarinarayana | 3 <sup>rd</sup> BA   | Badarinarayana   |
| 34. A. Srinik         | 3 <sup>rd</sup> BA   | Srinik           |



**SRR & CVR Government Degree College (A)**  
**Vijayawada**

*Department of Mathematics*

**Field Trip to Mathematics Exhibition at  
Acharya Nagarjuna University, Guntur  
on 08-03-2021.**

**Report by Smt. K.V. Naga Lakshmi,  
HOD of Mathematics.**

Department of Mathematics has organized an educational Field Trip to Mathematics Exhibition at Acharya Nagarjuna University, Guntur on 08-03-2021.

**Smt.K.V. Nagalakshmi, Sri. M. L. Das, Dr. Md. Masthan, Dr. G. Lalitha** and 60 students of III<sup>rd</sup> B.Sc. (M.S. Cs. & M.P. Cs.) and P.G. Mathematics students visited Mathematics Exhibition at Acharya Nagarjuna University, Guntur. They interacted with Professors, Staff and acquired Knowledge on Mathematics and details about P.G. Mathematics Entrance examination. It created interest among the students for the higher studies.

They interacted with **Prof. Bh. Satyanaraya & Prof. Bhavanari Satyanaraya & Prof. Amarendra Babu** and other staff members. Students have visited various departments and Library in the Acharya Nagarjuna University, Guntur.



**HOD of Acharya Nagarjuna University, Prof. Bh. Satyanaraya, interacted with the students and staff.**



**HOD of Acharya Nagarjuna University, Prof. Bh. Satyanaraya, interacted with the students and staff.**



**HOD of Acharya Nagarjuna University, Prof. Bhavanari Satyanaraya, interacted with the students and staff.**



Publication of Books details at Acharya Nagarjuna University



Seven Bridges Problem explained by the students which is the origin of Graph Theory

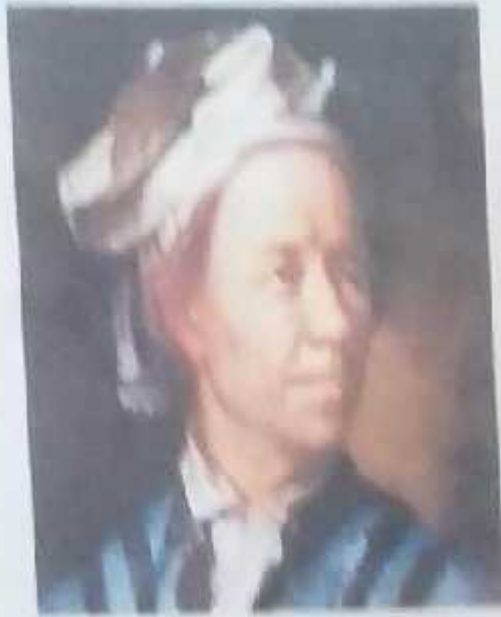


Finding Cubes of a Number



**Trigonometry Model explained by the students**

LEONHARD EULER



1707-1783

Originator of GRAPH THEORY

KONIGSBERG  
SEVEN BRIDGES  
PROBLEM

**Leonhard Euler**

# Abel Prize Win

The **Abel Prize** (*Abelprisen*) is a **Norwegian** prize awarded to one or more outstanding **mathematicians**. It is named after **Henrik Abel** (1802–1829) and directly modeled after the **Nobel Prize**, a monetary award of 7.5 million **Norwegian Kroner (NOK)** (in 2019). It took almost a century before the prize was finally awarded in Norway in 2001, and it was specifically intended "to give an equivalent of a Nobel Prize. The laureates are selected by the **Norwegian Academy of Science and Letters**, which are appointed by the **Norwegian Academy of Science and Letters**." The award ceremony takes place in the Aula of the **University of Oslo**. The prize was awarded between 1947 and 1989.

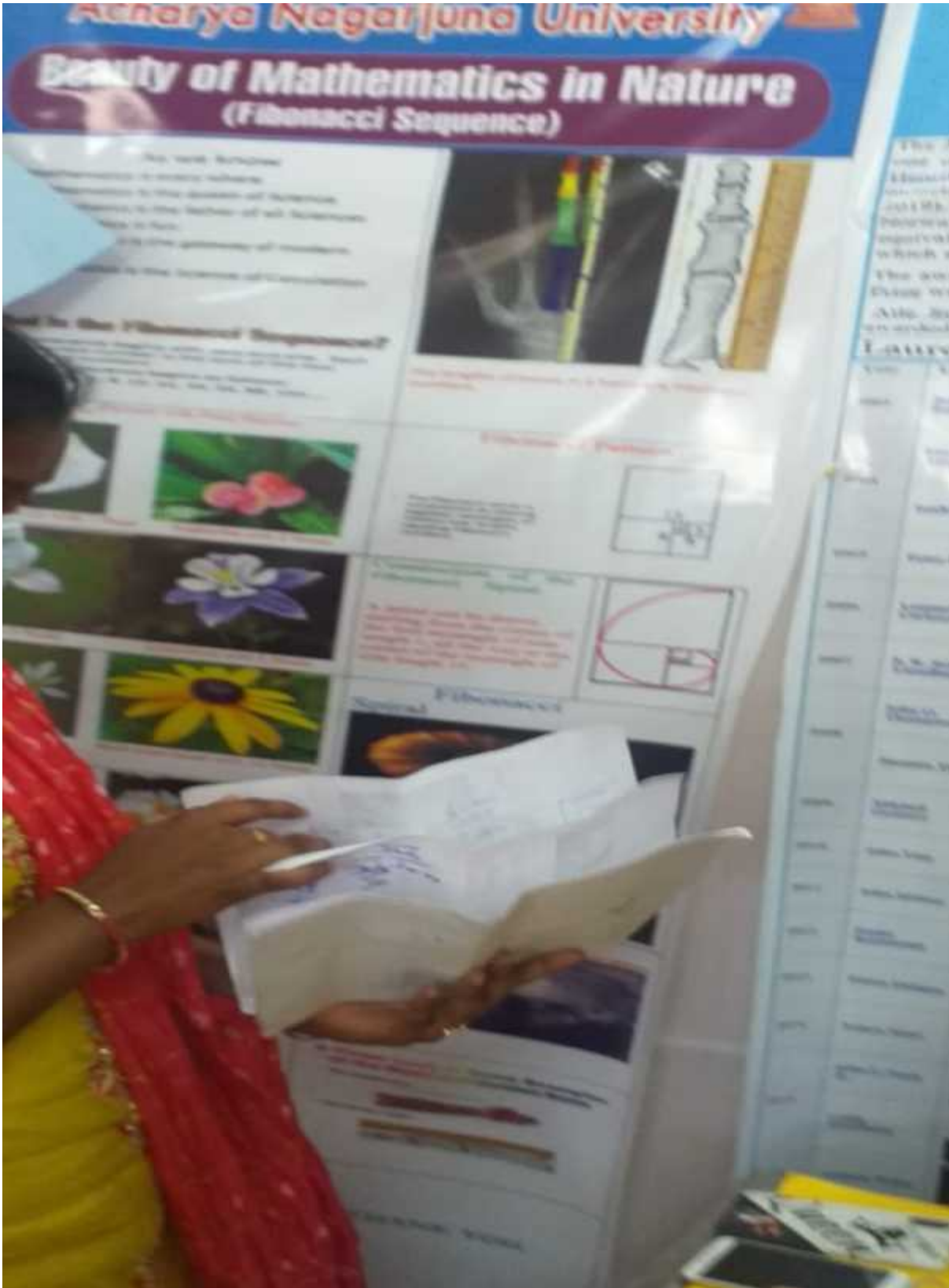
The award ceremony takes place in the Aula of the **University of Oslo**. The prize was awarded between 1947 and 1989.

**Atle Selberg** received an honorary Abel Prize in 2002, but it was not awarded in 2003.

## Laureates

| Year | Laureate(s)              | Image   | Institution(s)  | Reason   |
|------|--------------------------|---|---|--|
| 2003 | Jean-Pierre Serre        |    | Collège de France   | "For playing many parts, including the theory."  |
| 2004 | Michael Atiyah           |   | University of Edinburgh   | "For their contributions to bringing topology to their outstanding mathematical work." |
|      | Ingrid Isakowitz         |  | Massachusetts Institute of Technology<br>University of California, Berkeley |  |
| 2005 | Peter Lus                |  | Courant Institute   | "For his groundbreaking application of computation."                                   |
| 2006 | Lennart Carleson         |  | Royal Institute of Technology   | "For his profound contributions to harmonic analysis and smooth dynamics."             |
|      | S. R. Srinivasa Varadhan |  | Courant Institute   | "For his fundamental contributions to probability theory and large deviations."        |
|      | John G. Thompson         |  | University of Florida   | "For his contributions to the theory of finite groups."                                |
|      | Jacques Tits             |  | Collège de France   | "For his contributions to the theory of algebraic groups and buildings."               |
|      | Mikhail Gromov           |  | Institut des Hautes Études Scientifiques (IHES) and Courant Institute       | "For his contributions to differential geometry and topology."                         |
|      | John Tate                |  | University of Texas at Austin   | "For his contributions to algebraic number theory and the theory of motives."          |
|      | John Milnor              |  | Stony Brook University  | "For his contributions to differential topology and algebraic K-theory."               |

Details of Abel Prize winners




Beauty of Mathematics in Nature explained by the Students

**DEPARTMENT OF MATHEMATICS**  
**ACHARYA NAGARJUNA UNIVERSITY**

**High Lights of the Department**

1. Prof. Davuluri Ramakotaiah (The Founder Member of the Department) raised to the level of the **Vice-Chancellor** (1988-1991).
2. Prof. Bhavanari Satyanarayana was selected as **INDIAN SCIENTIST (2003)** by Hungarian Academy of Sciences. He is **one among three INDIAN MATHEMATICIANS** selected during a period of 25 years.
3. Prof. Bhavanari Satyanarayana was selected as **SENIOR SCIENTIST (2005)** by Hungarian Academy of Sciences.
4. Prof. Bhavanari Satyanarayana is an **AUTHOR of two books** published by **Taylor And Francis (CRC Press), England**. There are only four **BOOKS IN MATHEMATICS** published by CRC Press with Indian Mathematicians.
5. Prof. Bhavanari Satyanarayana is an **AUTHOR** of the book entitled **DISCRETE MATHEMATICS and GRAPH THEORY** published by **PRINTICE HALL OF INDIA, New Delhi**. This book attained the level **"FIVE STAR"**.

**ANU Exhibition., 2021-03-08**

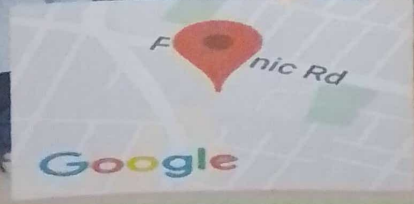


**High Lights of Department of Mathematics, ANU, Guntur.**

**Programme Out Comes:**

- 1) Students gained Knowledge on Graph Theory, Trigonometry.
- 2) Finding Cubes of Big Numbers by using simple tricks.
- 3) Students acquired Knowledge on Beauty of Mathematics in Nature.
- 4) Students acquire Knowledge on Abel Prize winners.

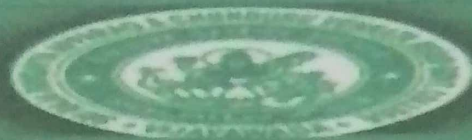
Department of Botany, SRR & CVR Govt Degree College faculty took the Botany and Horticulture students of B.Sc First, Second and Third Year students to "Pharma Plant Expo-2022" Organized by KVSR Siddhartha College of Pharmaceutical Sciences. On 30.3.2022 from 10.00 to 2.00 pm.



Vijayawada, Andhra Pradesh, India  
Sri Natrajan Guljar Rd, Acharya Ranga Nagar, Benz  
Circle, Vijayawada, Andhra Pradesh 520010, India  
Lat 16.503013°  
Long 80.649135°  
30/03/22 11:55 AM

# SRR & CVR Government Degree College

Machavaram, Vijayawada, Krishna District, AP 520 001

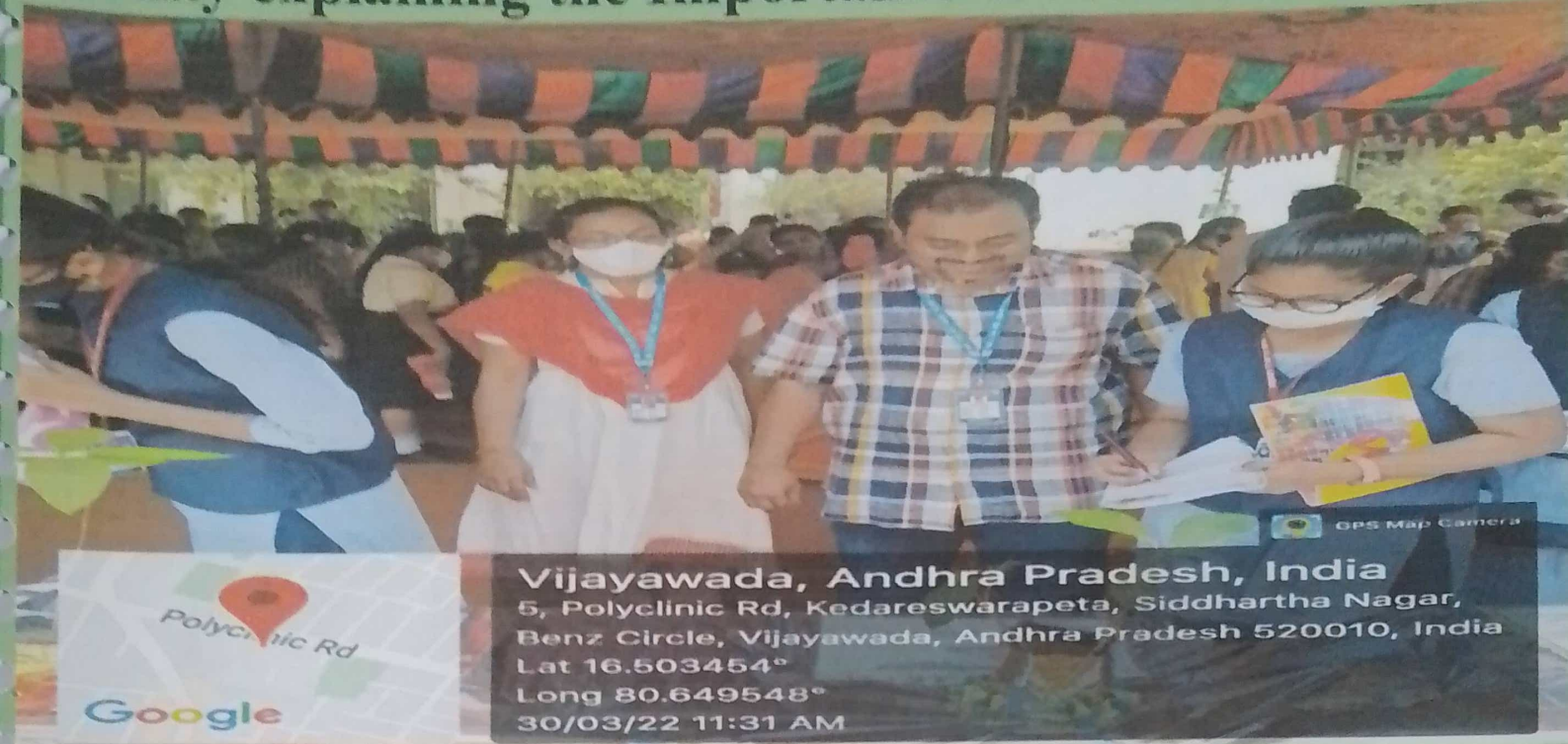


## DEPARTMENT OF BOTANY

|   |   |
|---|---|
| <b>Date</b>   | 30.3.2022   |
| <b>Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)</b>      | Department  |
| <b>Nature of activity (seminar/Workshop/Extn. Lecture etc.)</b>       | Field trip  |
| <b>Title of the Activity</b>  | Pharma Plant Expo 2022  |
| <b>Name of the Department/Committee</b>                               | Department of Botany  |
| <b>Details of Resource Persons (Name , Designation etc., )</b>        | KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada<br>Students and Faculty  |
| <b>No of students and Faculty participated</b>                        | 70  |
| <b>Name of the Lecturers who planned &amp; conducted the activity</b> | Planned and Organized by<br>Ms G.Swapna<br>Lecturer In Charge<br>Mrs V.N. Padmavathi , Lecturer in Botany<br>Dr Ch. Srinivasa Reddy , Lecturer in Botany<br>Mrs I. Prasanthi , Guest Lecturer |
| <b>Remarks</b>  | This Field trip has given students onsite hands on experience and much deserved exposure and Kinda rejuvenated the students   |

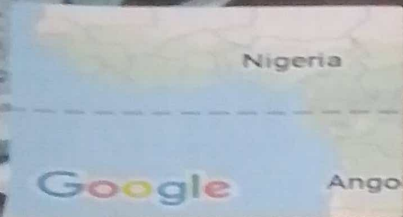
Students and faculty reached the college by 10.30 am and initially visited 300 species of medicinal plants. Students noted down the common, scientific names, family and medicinal importance of each plant.

## Faculty explaining the Importance of Medicinal Plants

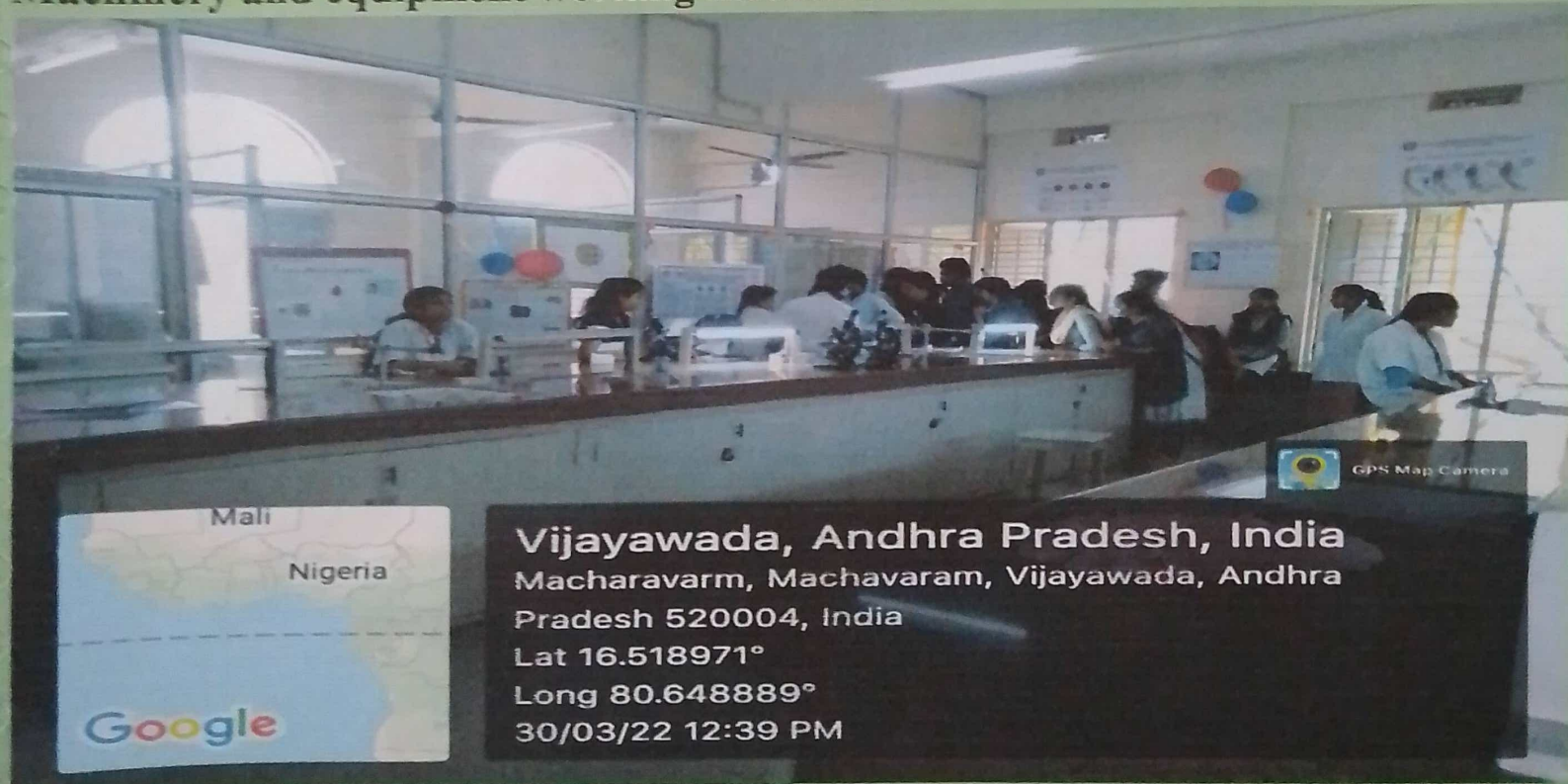




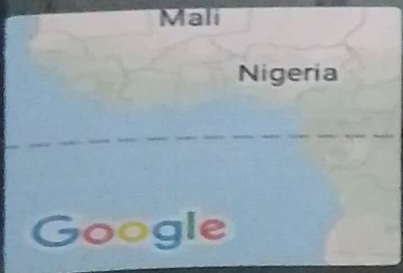
**Vijayawada, Andhra Pradesh, India**  
Macharavarm, Machavaram, Vijayawada, Andhra Pradesh 520004, India  
Lat 16.518971°  
Long 80.648889°  
30/03/22 11:56 AM



Later they explored Latest Pharmaceutical machinery which were being used normally . Pharmacy students explained to B.Sc BZC Students about the Machinery and equipment working mechanism .



**Vijayawada, Andhra Pradesh, India**  
Macharavarm, Machavaram, Vijayawada, Andhra Pradesh 520004, India  
Lat 16.518971°  
Long 80.648889°  
30/03/22 12:39 PM



Later students visited Drug Packaging units and learned the process from Pharmacy students . Pharmacy students explained the Drug discovery process. After that students learnt about the various chromatographic techniques used in the synthesis of drugs . Pharmacy students explained about the functionality of Advance analytical instruments.

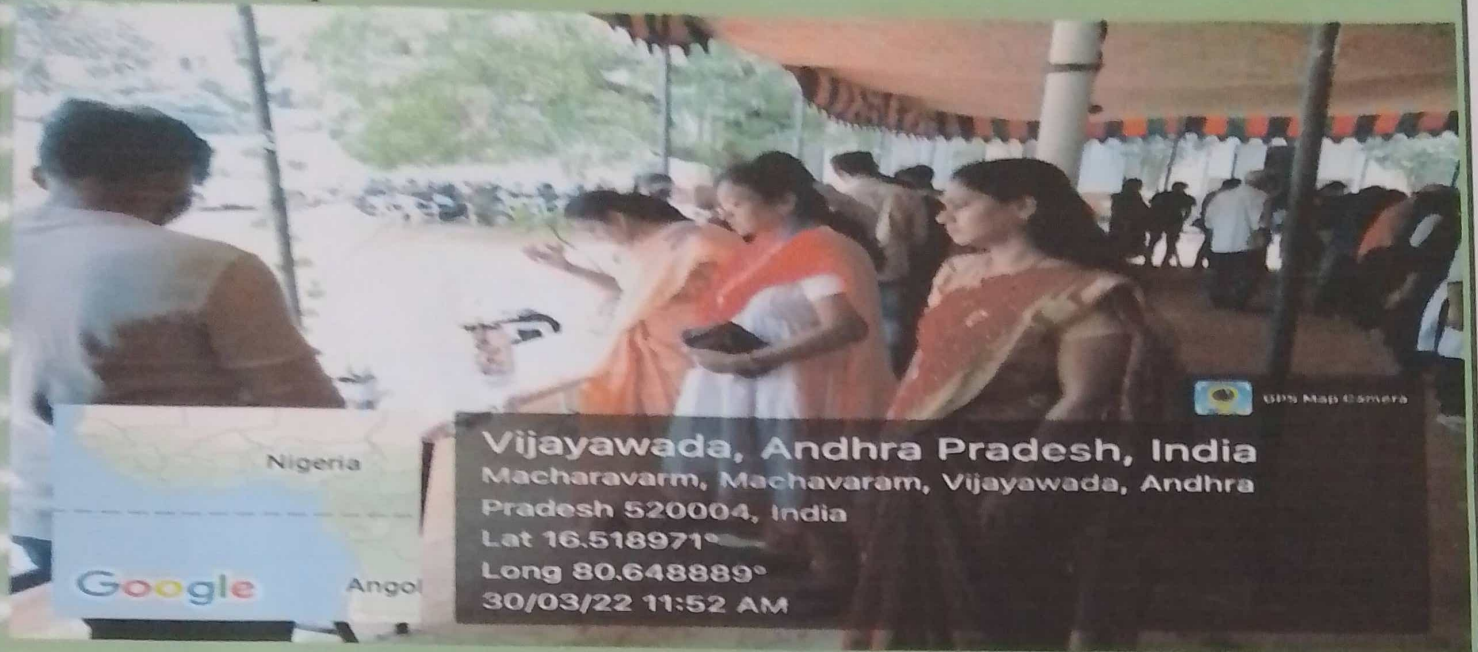
Later some students went for BMI Screening, known their Height, weight and BMI Value , Patient counseling for general health and also visited the Drug Museum . Students also saw the real Human Organs like Brain, Kidney, Liver ,Heart etc and Pharmacy students explained the Anatomy and functionality of the organs.

### Photographs Taken by students in Anatomy Laboratory



By 2.00 pm BZC students completed visiting the Expo and Faculty and students reached the college by 2.30 pm .

This Field trip was very much useful for students and students gained knowledge on Medicinal Plants, Drug discovery process , Advanced Equipment and many more processes.



**SRR & CVR Government Degree College**

MACHAVARAM, VIJAYAWADA, KRISHNA DISTRICT, AP 520 004



DEPARTMENT OF BOTANY

*Principal*  
**Principal**  
SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA-520 004

*Sapna*  
**LECTURER IN CHARGE**  
Dept. of Botany  
SRR & CVR GOVT. DEGREE COLLEGE  
VIJAYAWADA-4, Krishna Dist.

## STUDENT SIGNATURES AND FEEDBACK

| S.No | Date | Class              | Roll no/ Reg no | Signature               | Remarks       |
|------|------|--------------------|-----------------|-------------------------|---------------|
| 1.   |      | I BHC              | 21317207        | K. Manu                 | Got awareness |
| 2.   |      | I BHC              | 21317201        | A. Prasanthi            | Usefull       |
| 3.   |      | I BHC              | 21317209        | T. Lavanya              | Good.         |
| 4.   |      | I BHC              | 21317205        | K. Jagadeesh            | Good          |
| 5.   |      | I BHC              | 21317206        | T. Myudula              | Beneficial    |
| 6.   |      | I BHC              | 21317212        | P. Hette                | Good          |
| 7.   |      | I BHC              | 21317204        | Devi raja ch            | usefull       |
| 8.   |      | IV B2C             | 20311205        | N. Mohanika             | Beneficial.   |
| 9.   |      | III B2C            | 20311223        | Shak. Bai,<br>Baba Vali | Good          |
| 10.  |      | <del>III</del> B2C | 20311003        | G. Rupa                 | Good          |
| 11.  |      | III B2C            | 20311008        | P. K                    | Beneficial    |
| 12.  |      | IV B2C             | 20311216        | P. Sai                  | Beneficial.   |
| 13.  |      | IV B2C             | 20311227        | G                       | Good          |
| 14.  |      | III B2C            | 20311213        | M. Gayathri             | Good          |
|      |      |                    |                 |                         |               |
|      |      |                    |                 |                         |               |



## STUDENT SIGNATURES AND FEEDBACK

| S.No | Date    | Class       | Roll no/ Reg no | Signature           | Remarks      |
|------|---------|-------------|-----------------|---------------------|--------------|
| 1    | 30/3/22 | III BSC BZC | 20311213        | M. Gayathri         | Good.        |
| 2.   | 30/3/22 | III BZC     | 20311227        | Y. Tejash           | Good.        |
| 3.   | 30/3/22 | III BZC     | 20311216        | P. Bharat           | useful       |
| 4    | 30/3/22 | III BSC     | 20311008        | P. Ravi             | Good         |
| 5    | 30/3/22 | III BZC     | 20311223        | Baji Saib           | useful       |
| 6    | 30/3/22 | III BZC     | 20311222        | S. Neelima          | good         |
| 7    | 30/3/22 | III BZC     | 20311003        | G. P. D.            | Good         |
| 8.   | 30/3/22 | III BZC     | 20311206        | J. A.               | Good.        |
| 9    | 30/3/22 | III BZC     | 20311203        | B. Rechel Evangelin | Useful       |
| 10.  | 30/3/22 | III BZC     | 20311220        | P. Lochandai        | Satisfaction |
| 11.  | 30/3/22 | III BZC     | 20311215        | N. Mounika          | Good.        |
| 12   | 30/3/22 | III BZC     | 20311204        | Ch. Divya           | Helpful.     |
| 13   | 30/3/22 | III BZC     | 20311221        | P. Rahul            | useful.      |
| 14.  | 30/3/22 | III BZC     | 20311226        | T. Hemavathi        | Good.        |
| 15   | 30/3/22 | III BZC     | 20311210        | M. Naveesh          | useful       |
| 16   | 30/3/22 | III BZC     | 20311208        | K. A.               | good         |





## STUDENT SIGNATURES AND FEEDBACK

| S.No | Date     | Class       | Roll no/ Reg no | Signature         | Remarks      |
|------|----------|-------------|-----------------|-------------------|--------------|
| 01   | 30/03/22 | III - B.Z.C | 20311227        | Y. Jagrath.       | Useful       |
| 02   | 30/03/22 | II - B.Z.C  | 20311216        | P. Bharat sai     | Good.        |
| 03   | 30/03/22 | III B.Z.C   | 20311008        | P. <del>Pr</del>  | Good         |
| 04   | 30/3/22  | III B.Z.C   | 20311223        | Baji. Gaile       | Useful       |
| 05   | 30/3/22  | IV B.Z.C    | 20311222        | S. Neelima        | Good         |
| 06   | 30/3/22  | III B.Z.C   | 20311206        | F. Manju.         | good.        |
| 07   | 30/3/22  | III B.Z.C   | 20311003        | G. <del>Pr</del>  | Useful       |
| 08.  | 30/3/22  | III B.Z.C   | 20311203        | B. Reetha Gargala | Satisfactory |
| 09.  | 30/3/22  | III B.Z.C   | 20311220        | P. Lochandai      | helpful.     |
| 10.  | 30-3-22  | IV B.Z.C    | 20311215        | N. Manjula        | Good.        |
| 11   | 30/3/22  | III B.Z.C   | 20311213        | M. Gayathri       | Helpful      |
| 12   | 30/3/22  | III B.Z.C   | 20311210        | M. Naveesh        | Useful.      |
| 13   | 30-3-22  | IV B.Z.C    | 20311208        | K. <del>Pr</del>  | Good.        |
| 14   | 30/3/22  | III B.Z.C   | 20311221        | P. Rahul          | Useful.      |
| 15.  | 30/3/22  | III B.Z.C   | 20311226        | T. Hemavathi      | Good         |
| 16.  | 30/3/22  | III B.Z.C   | 20311204        | Ch. Divya         | Good         |




# SRR&CVR GOVT. DEGREE COLLEGE (A)

## DEPARTMENT OF BIOCHEMISTRY

### FIELD TRIP TP LAMFARM

DATE: 1/4/2022

 **S.R.R. & C.V.R. GOVT. DEGREE COLLEGE**  
(Autonomous)  
NAAC accredited with 'B+' Grade  
Machavaram, VIJAYAWADA - 520 004. Krishna District.  
Cell : 9848251236 Ph : 0866-2430060, Fax : 0866-2441092, www.srrcvr.ac.in srrandcvr@gmail.com

*Dr. K. Bhagya Lakshmi*, M.Sc., M.Phil., Ph.D.  
Principal

Date: 28/03/2022

To,  
The Associate Director  
Regional Agricultural  
Research Station, Lamfaram,  
Guntur -522034, Andhra Pradesh.

**SUB:** Request for Field visit to Regional Agricultural Research Station, Lamfaram, Guntur /by students and faculty of Department of Food technology and Biochemistry, SRR&CVR GDC, Vijayawada, Regarding.

Dear Sir,

This is a request letter to seek your kind permission for an industrial visit to your research station. As per APSHE norms, higher education students are expected to visit labs and research institutes of repute. It will be fruitful that the students with an academic background in biochemistry and Food technology have a sight of the research institute for practical exposure and insights to research environment.

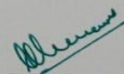
In this connection, we are pleased to introduce SRR & CVR Govt Degree College (A), a premier institute of central Vijayawada.

The students and faculty of the Food Technology and Biochemistry department wish to visit the research station preferably in the last week of march to first week of April. The total number of students will be 50, accompanied by three faculty members.

We assure that our students maintain discipline during their visit and follow the rules and regulations prescribed by your research station.

We request you to grant permission to visit your esteemed research station. We highly appreciate your acceptance.

Thank you  
We look forward to your positive response.

  
- PRINCIPAL  
SRR & CVR Govt. Degree College  
VIJAYAWADA.

# **SRR&CVR GOVT. DEGREE COLLEGE (A)**

## **DEPARTMENT OF BIOCHEMISTRY**



### **Students boarding the bus to get to the field trip**

The department of biochemistry has conducted a field trip to Acharya N. G. Ranga Agricultural University, Regional agricultural research station landfarm, Guntur-522034, Andhra Pradesh, India. First we met with the ADR of landfarm. Sir introduced Dr. D Sujatha professor in crop physiology. Our team accompanied us and visited all the research departments. First we went to the exhibition kept by the university where all the innovations of research stations are displayed. Student interacted with Dr. Sarada. She explained how the research station is working hard to give farmers the best yield, giving crops totaling 168 new varieties of cereals and 46 varieties of oil seed plants. Students interacted with Dr. Sarada about their queries.

**SRR&CVR GOVT. DEGREE COLLEGE (A)**  
**DEPARTMENT OF BIOCHEMISTRY**



# **SRR&CVR GOVT. DEGREE COLLEGE (A)**

## **DEPARTMENT OF BIOCHEMISTRY**

Next we went to visit Drone Technology. Dr. Sambayya with his team explained this technology for adding pesticides & fertilizers in the fields. Once the drone is filled with the pesticides it can spray around 7 acres of land. He gave business ideas to students and inculcated the zeal of entrepreneurship in students.



### **Drone Technology**

Prof. Sambayya addressing students about Drone Technology

# SRR&CVR GOVT. DEGREE COLLEGE (A)

## DEPARTMENT OF BIOCHEMISTRY



**Students watching the Land Farm Agricultural Innovations**

# SRR&CVR GOVT. DEGREE COLLEGE (A)

## DEPARTMENT OF BIOCHEMISTRY



### Visit to crop physiology lab:

The students, staff in batch wise visited the crop physiology lab Dr. Sujatha introduced the equipment to the students. The measurement of chlorophyll content of the leaf was demonstrated to the students. She also demonstrated the machine to monitor the leaf area and Spectrophotometry etc. were introduced to students.

# SRR&CVR GOVT. DEGREE COLLEGE (A)

## DEPARTMENT OF BIOCHEMISTRY



Students at Crop Physiology Lab



### Visit to bio technology lab:

Students are eager to visit biotechnology labs. This lab carries sophisticated equipment such as PCR, Geldoc, Cooling centrifuge, Agarose gel electrophoresis etc. while we visit the lab the

# SRR&CVR GOVT. DEGREE COLLEGE (A)

## DEPARTMENT OF BIOCHEMISTRY

scientists were working on viral disease and explained about the primers used for the viral genome.



Students at Biotechnology Lab



Lam, Andhra Pradesh, India  
9C6M+XJC, Lam, Andhra Pradesh 522034, India  
Lat 16.362278°  
Long 80.434064°  
01/04/22 12:29 PM

# **SRR&CVR GOVT. DEGREE COLLEGE (A)**

## **DEPARTMENT OF BIOCHEMISTRY**

### **Visit to soil analysis lab:**

The team visited a soil analysis lab. There Dr. Sailaja madam gave an elaborated description on soil analysis for different minerals. How the flame photometer is utilized for recording the concentration of different minerals was shown to students. The content in a sample was quantified. A reading was taken before students.

Many soil samples with labeling were kept at the door of the lab. Students interestingly observed all the equipment and collected the procedures for the analysis of different minerals.



**Students at Soil Science Lab**

# SRR&CVR GOVT. DEGREE COLLEGE (A)

## DEPARTMENT OF BIOCHEMISTRY

### Visit to weather station:

Students were taken to a weather station where the different equipment were introduced to students to measure maximum and minimum temperature, humidity, rainfall by rain gauge, water percentage in soil, temperature in soil, wind velocity measurements etc.

Students with much enthusiasm visited all the equipment and came to clarify their queries.



Students at Weather Forecast Field



# **SRR&CVR GOVT. DEGREE COLLEGE (A)**

## ***DEPARTMENT OF BIOCHEMISTRY***

### **Acknowledgement:**

We are very thankful to our Principal Dr. K Bhagya Lakshmi Madam for giving permission for this field trip. We also thank APSRTC for providing the bus facility for this field visit. Our heartfelt thanks to ADR-Larmfarm for allowing us to visit all the labs in the research station. Our special thanks to Dr. D Sujatha Madam for accompanying us to all the labs in the research station. We also thank each scientist of the research station for their patients for demonstrating the equipment and spending valuable time for us.

Reported by  
Sd. V Tahaseen  
I/C Dept. of Biochemistry

# **S.R.R. & C.V.R GOVT. DEGREE COLLEGE(A)**

## **Department of Biochemistry**

### **Study Visit to KVSR Siddhartha College of Pharmaceutical Sciences on 27.11.2021**

**Report prepared by Sd V Tahaseen**

Department of Biochemistry organized a study visit to II B.Sc. students (M.B.C and M.B.F) on 27.11.2021 to Central instrumentation lab - Siddhartha College of Pharmaceutical Sciences, Vijayawada.

The study visit is aimed to enhance the zeal of students towards the recent advances in the field of pharmaceutical sciences and to understand the applications of advanced instruments in the field of research in life sciences.

Students were taken to the library, poster presentation section, and Instrumentation lab on the study visit.



Pharmacy students presented posters on various aspects of biochemistry, green Chemistry, Food technology, multiple drugs used in the treatment of Covid-19, different techniques used to validate drugs like LC-MS, HPLC-MS, GC-MS, N.M.R., etc. Further,

# S.R.R. & C.V.R GOVT. DEGREE COLLEGE(A)

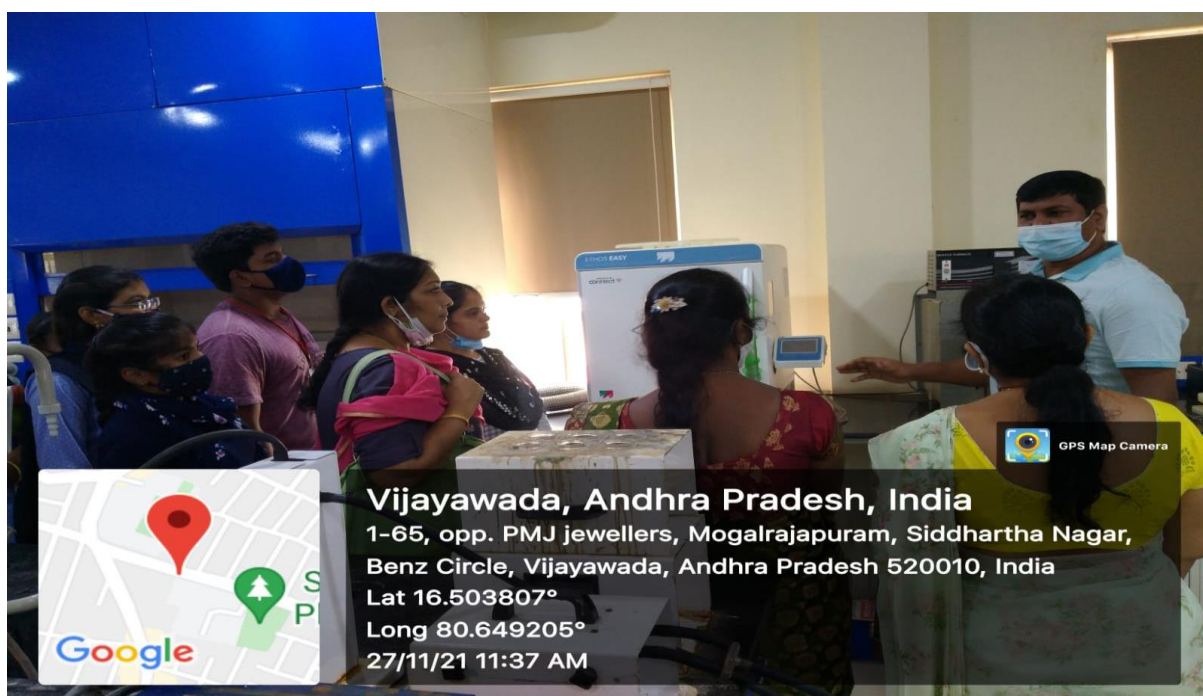
## Department of Biochemistry



# S.R.R. & C.V.R GOVT. DEGREE COLLEGE(A)

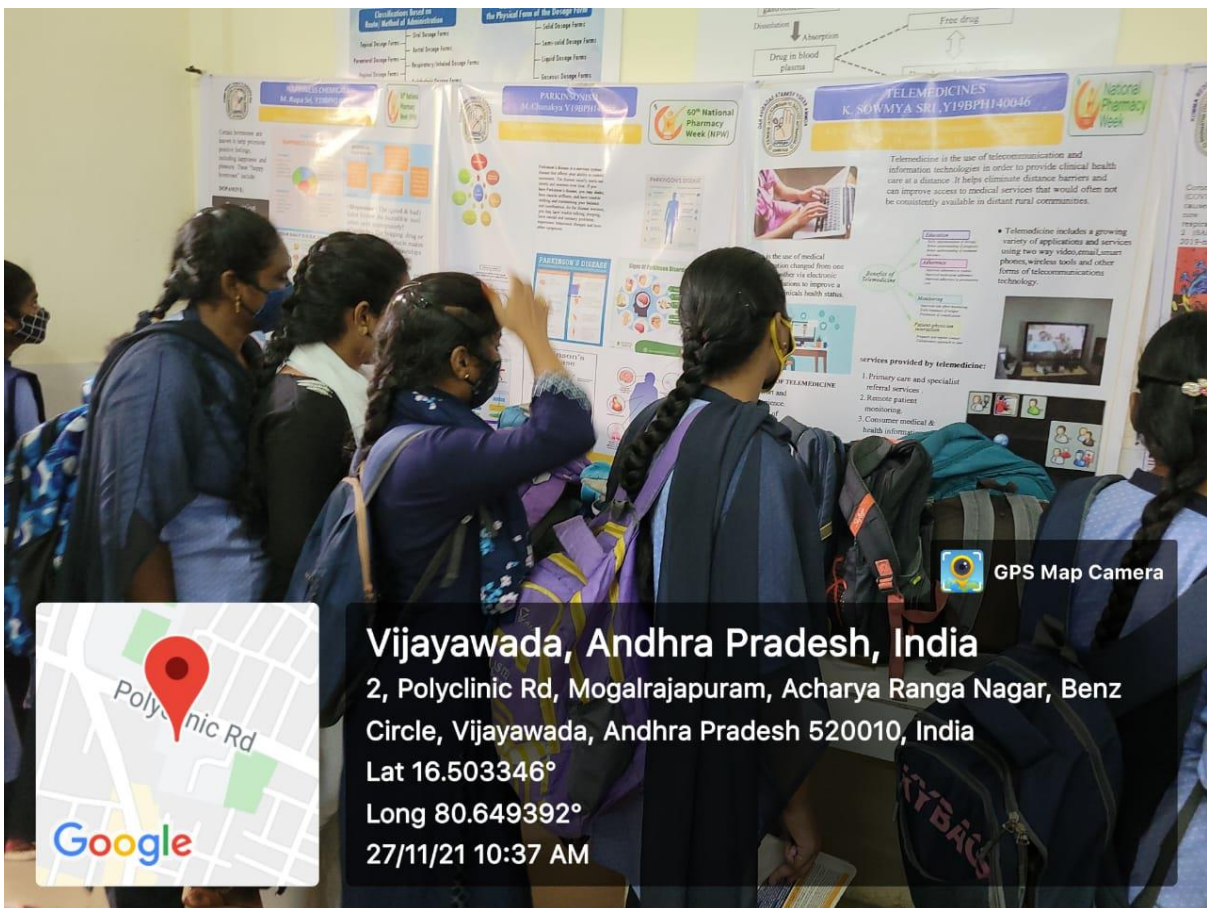
## Department of Biochemistry

Siddhartha College of Pharmaceutical Sciences is equipped with a central instrumentation lab consisting of HPLC, UV-Visible Spectrophotometer, pH-meter, FT-IR, Digital refractometer, ICP-OES (Inductively Coupled Plasma- Emission Spectroscopy), Flame Photometer, etc.; technician of that lab explained the operating procedures and principle of various instruments.



# S.R.R. & C.V.R GOVT. DEGREE COLLEGE(A)

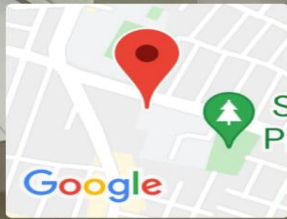
## Department of Biochemistry



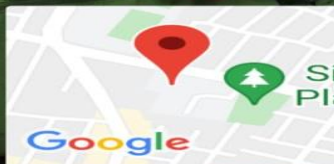
nearly 110 posters were presented relating to the various aspects of biological phenomena, herbal remedies for skin, hair, stress relieving methods, etc.

# S.R.R. & C.V.R GOVT. DEGREE COLLEGE(A)

## Department of Biochemistry



**Vijayawada, Andhra Pradesh, India**  
1-65, opp. PMJ jewellers, Mogalrajapuram, Siddhartha Nagar,  
Benz Circle, Vijayawada, Andhra Pradesh 520010, India  
Lat 16.503604°  
Long 80.649191°  
27/11/21 11:05 AM



**Vijayawada, Andhra Pradesh, India**  
2, Polyclinic Rd, Mogalrajapuram, Acharya Ranga Nagar,  
Benz Circle, Vijayawada, Andhra Pradesh 520010, India  
Lat 16.503339°  
Long 80.649393°  
27/11/21 10:42 AM

# *S.R.R. & C.V.R GOVT. DEGREE COLLEGE(A)*

## *Department of Biochemistry*

This study visit was very much helpful to the students, as it allowed understanding the various concepts of day-to-day life and advanced instrumentation techniques. And it would inspire students and create an interest to pursue research in the field of lifesciences.

### **Acknowledgments:**

Thank our beloved principal Dr. K. Bhagyalakshmi for giving our students and faculty permission to attend this study visit.

I extend our heartfelt thanks to Dr. G. Devarala Rao, principal, Siddhartha College of Pharmaceutical Sciences, for facilitating this study visit.

My special thanks to my colleagues Dr. SK Beebi, lecturer in chemistry, Dr. K. Anuradha lecturer in food technology and E. Sarojini Devi lecturer in biochemistry for their active part of this study visit.

Sd Vaziha Tahaseen

Department of Biochemistry

S.R.R and C.V.R GDC (A) – Vijayawada

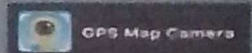
Department of Botany SRR & CVR Govt Degree College Organized a one day Field trip /Botanical tour to Kondapalli forest Reserve area , Krishna District on 11/04/2022 . We started from college at 07.00 am in Bus and reached the Kondapalli area by 7.30 am.

Motive of this program:

- Providing students Onsite, practical and real time experience in forest area
- Providing additional knowledge on the Wild Species of Kondapalli forest area .
- Taxonomical and Medicinal characters studies on wild species

Tour Report :

III BSc BZC Students and Faculty Visited Kondapalli Forest area for exploring the wild species of plants. Faculty and Students explored the various species of plants covering nearly 4 kms on Kondapalli hill area.



**Krishna, Andhra Pradesh, India**

Kondapalli Khilla (fort) Ghat Rd, Andhra Pradesh 521228, India

Lat 16.623395°

Long 80.519696°

11/04/22 09:22 AM

Students Collected the wild plant species for preserving and for the preparation of Herbarium. They noted down the observed wild plant species details like Common name , Scientific name , Family , Economical and Medicinal importance etc.

09.04.2022

To  
The Principal  
SRR and CVR Govt Degree College  
Vijayawada

Respected Madam ,

I here by submit that Department of Botany faculty taking III BZC EM and TM Groups of nearly 40 students to Kondapalli Forest Field Visit on 11.04.2022 as a part of Co Curricular activities .

In this regard we request you to give permission for the faculty and students For the one day field trip for exploring Wild Plant Species in Kondapalli forest Reserve area and please consider our absence on 11.4.2022 as On Duty .

Thanks & Regards

Ms. G. Swapna (Swapna 9/4/2022)  
Mrs V.N Padmavathi (V.N Padmavathi)  
Dr Ch. Srinivasa Reddy (S.R.S)  
Department of Botany (Srinivasa Reddy)

**SRR & CVR Government Degree College**

Machilipatnam, Vijayawada, Krishna District, AP 520 004



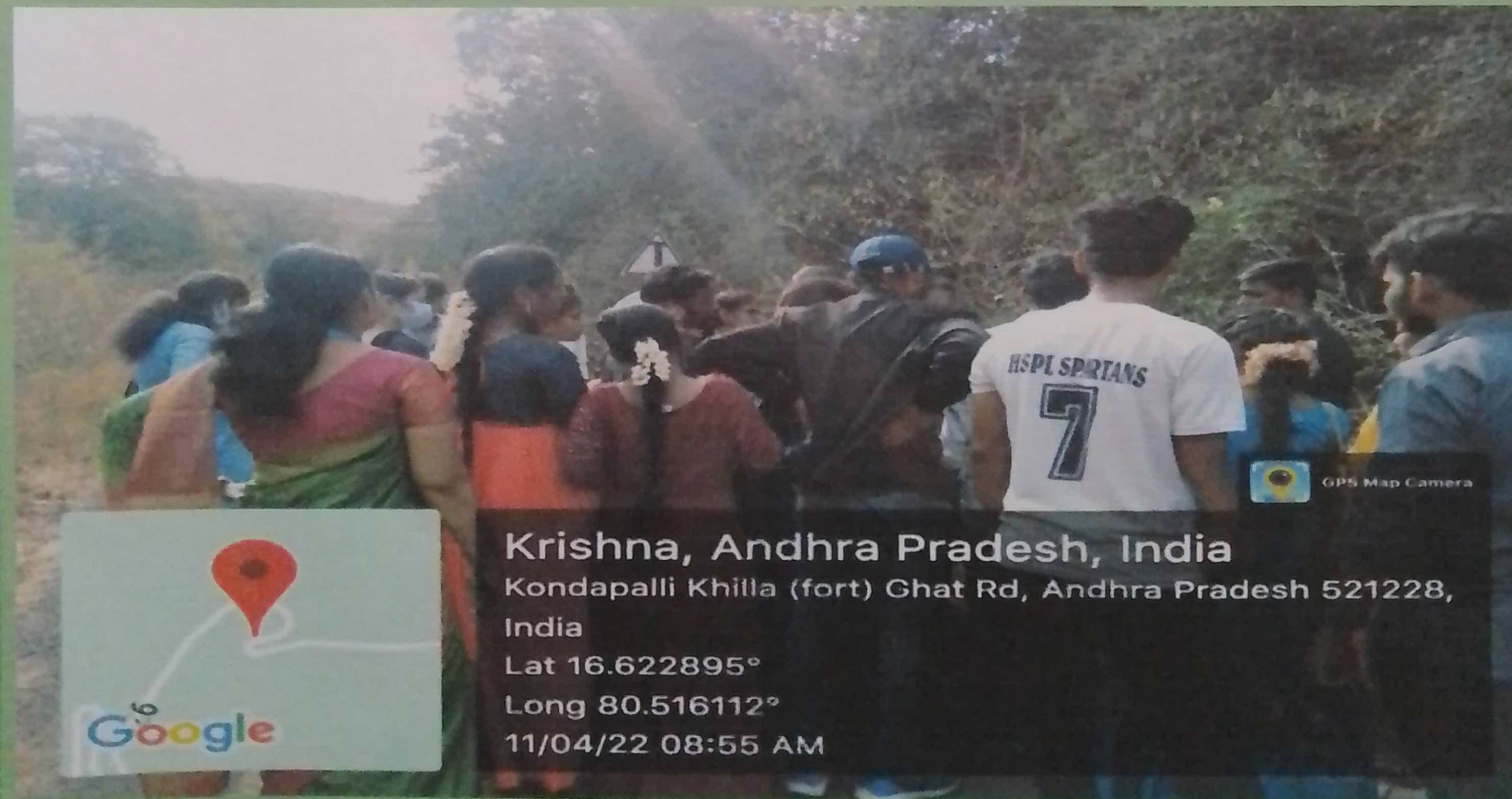
**DEPARTMENT OF BOTANY**

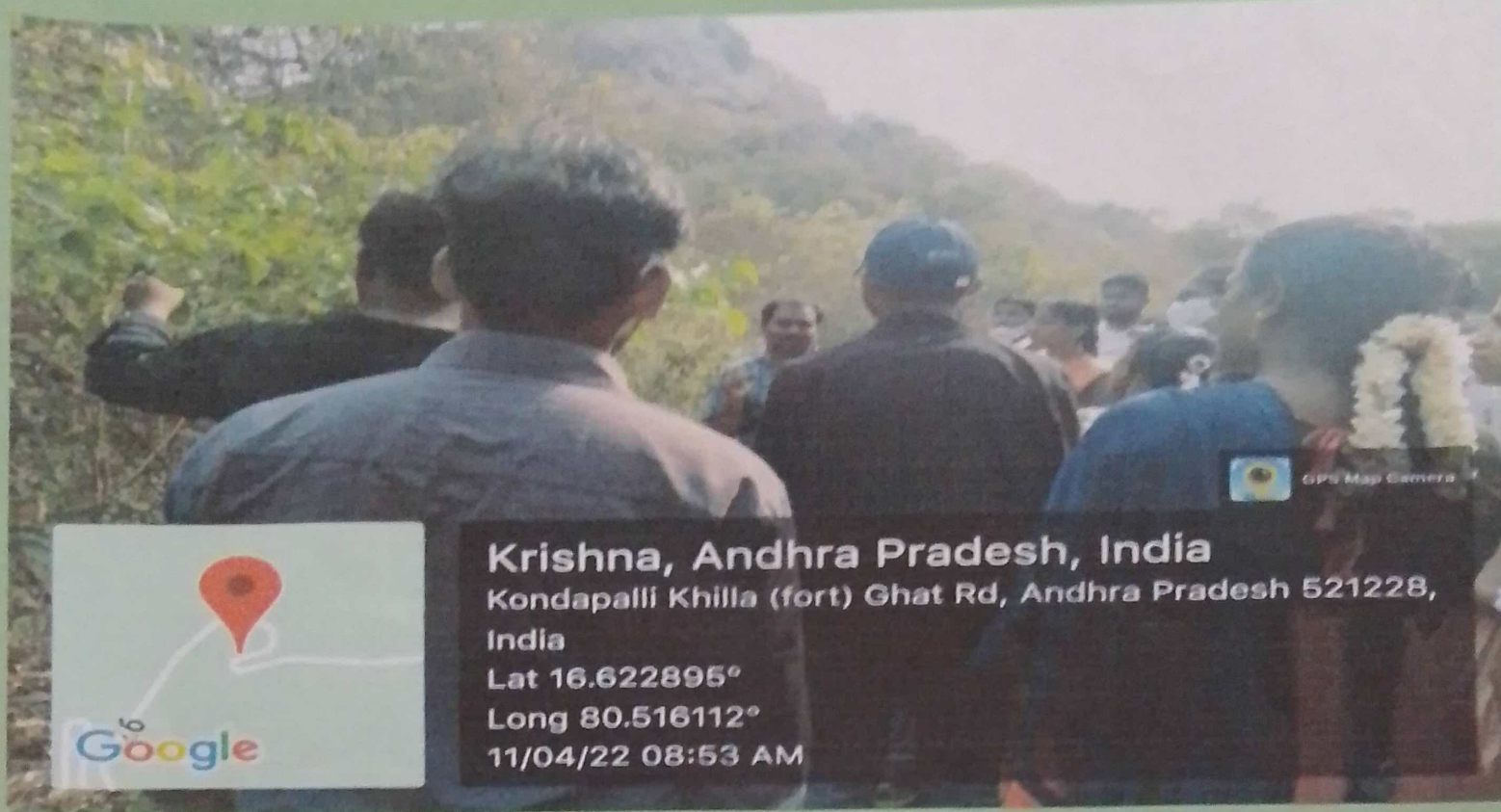
|   |  |
|---|--|
| <b>Dates</b>  | <b>11.4.2022</b>   |
| <b>Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)</b>      | <b>Department</b>  |
| <b>Nature of activity (seminar/Workshop/Extn. Lecture etc.)</b>       | <b>Field Visit/ Botanical Tour</b>   |
| <b>Title of the Activity</b>  | <b>Botanical tour</b>  |
| <b>Name of the Department/Committee</b>                               | <b>Department of Botany</b>  |
| <b>Details of Resource Persons (Name , Designation etc., )</b>        | <b>III B.SC BZC Students</b>   |
| <b>No of students participated</b>                                    | <b>35</b>  |
| <b>Name of the Lecturers who planned &amp; conducted the activity</b> | <b>Planned and Organized by<br/>Ms G.Swapna<br/>Lecturer In Charge<br/>Ms V. N . Padmavathi , Lecturer in Botany<br/>Dr Ch. Srinivasa Reddy , Lecturer in Botany<br/>Mrs I.Prasanthi, Lecturer in Botany</b> |
| <b>Remarks</b>  | <b>This Botanical tour was a huge success as students and faculty explored various significant plants related to various families.</b>   |

Students Photographed the plants of significant Ecological and Taxonomic significance and collected some parts of the plants .



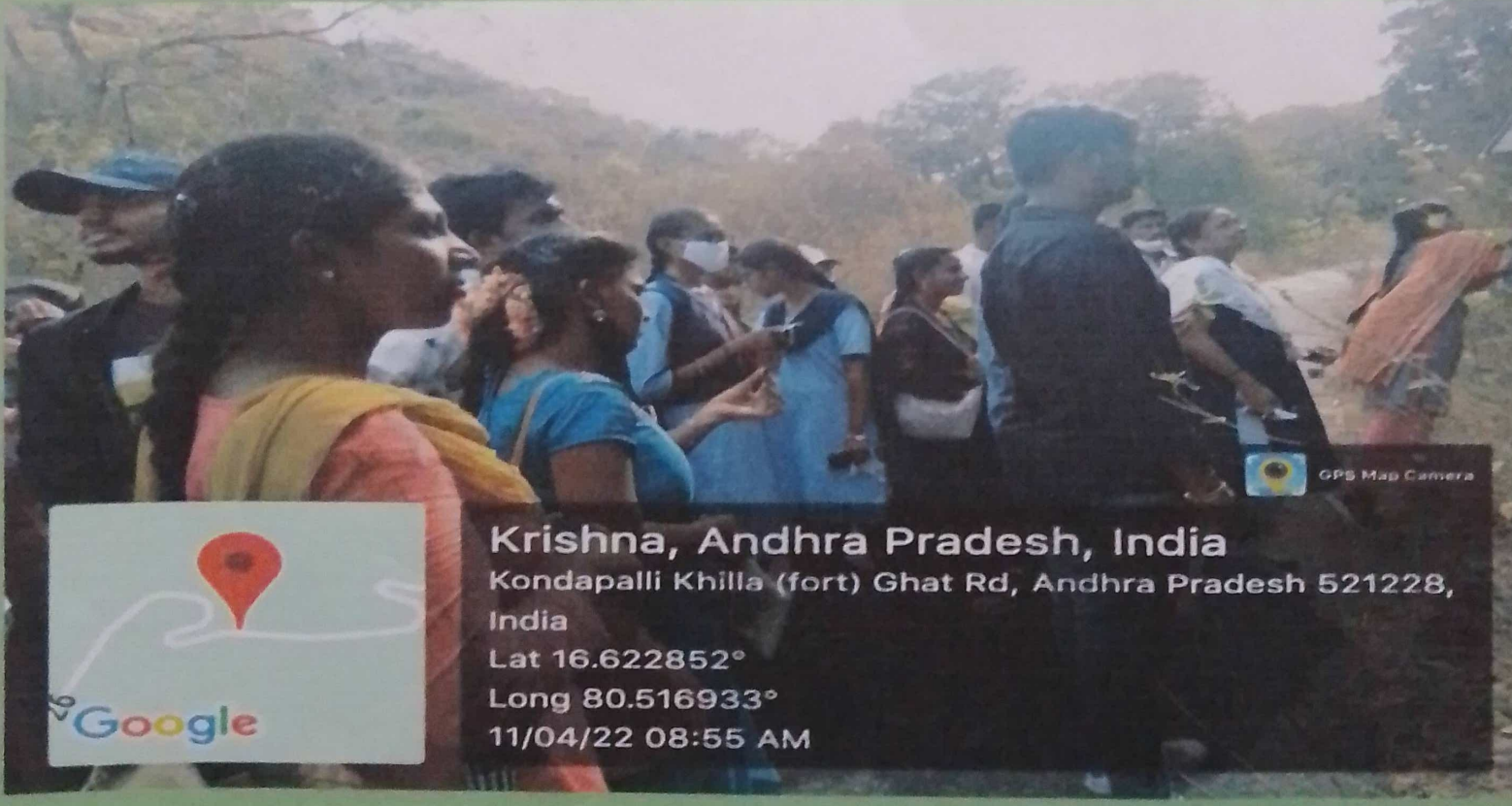
Students and Faculty studying the Plant species of Ecological Significance in Forest area





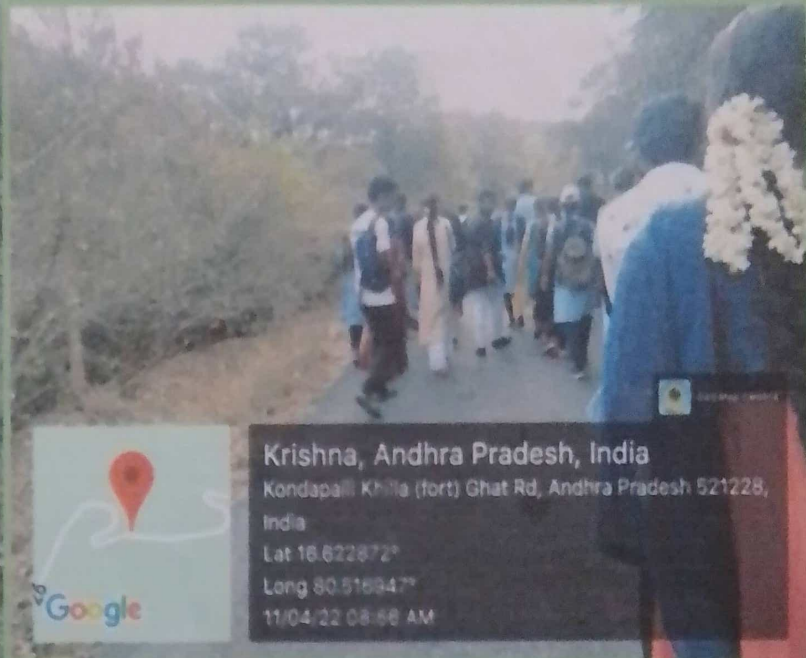
**Krishna, Andhra Pradesh, India**  
Kondapalli Khilla (fort) Ghat Rd, Andhra Pradesh 521228,  
India  
Lat 16.622895°  
Long 80.516112°  
11/04/22 08:53 AM

**Faculty Explaining the Botanical Significance Of wild plants to Botany Students**

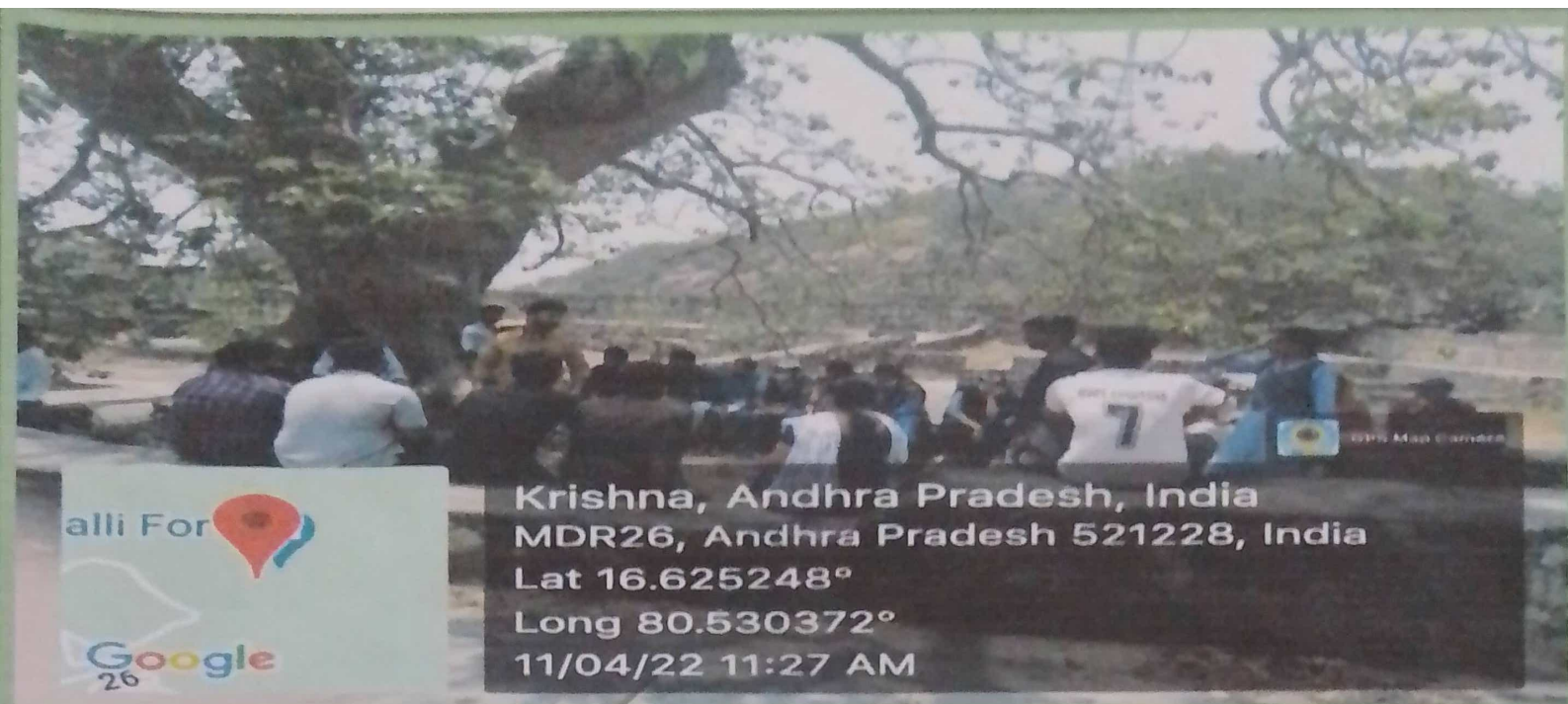


**Krishna, Andhra Pradesh, India**  
Kondapalli Khilla (fort) Ghat Rd, Andhra Pradesh 521228,  
India  
Lat 16.622852°  
Long 80.516933°  
11/04/22 08:55 AM

After exploring the Vegetation spanning a width of nearly 4km students and faculty visited Kondapalli fort area which is of Historical significance . Students observed all the monuments, images , sculpture and preserved historical evidence from 15 th century , 16th and 17rth centuries with enthusiasm and much interest .



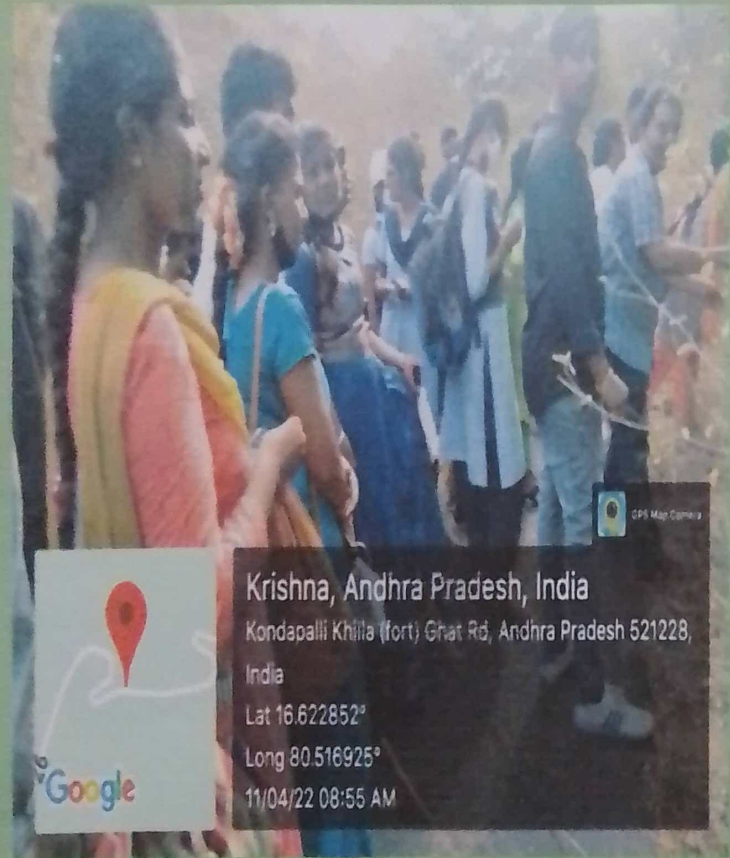
This Botanical tour actually rejuvenated the students as they have not gone to any outside place since the pandemic long two and half years . This tour gave the students a best opportunity academically in two ways as this kondapalli forest area and fort are of Significant in two ways both Botanically and Historically .



Krishna, Andhra Pradesh, India  
MDR26, Andhra Pradesh 521228, India  
Lat 16.625248°  
Long 80.530372°  
11/04/22 11:27 AM

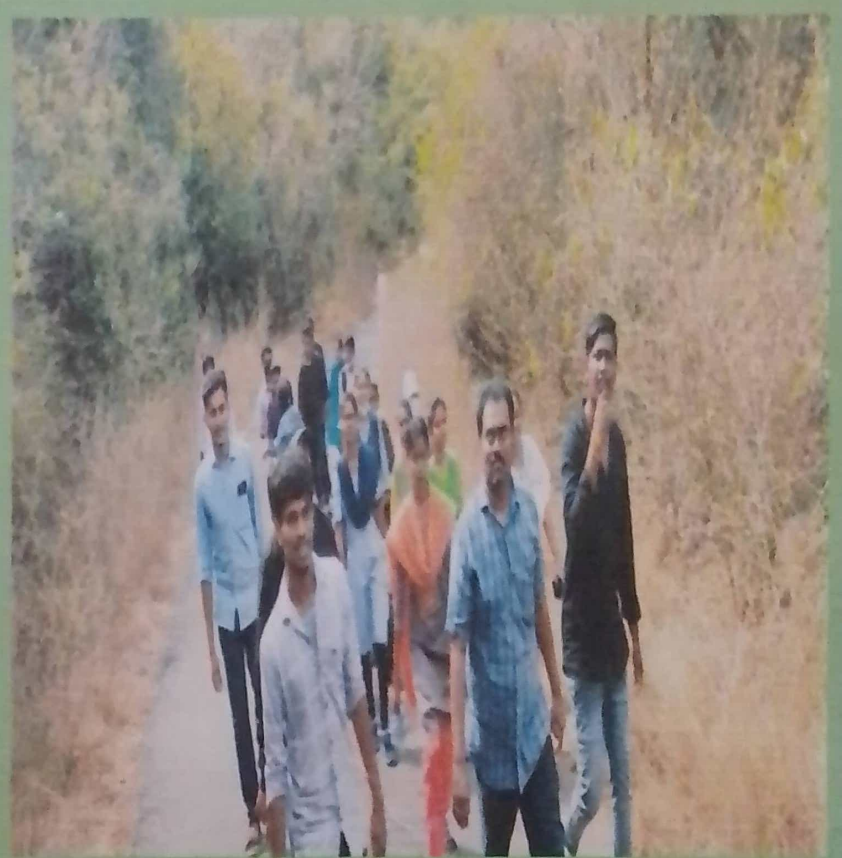
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**Students and Faculty Exploring the Botanical and Historical Significant Place Kondapalli**



Krishna, Andhra Pradesh, India  
Kondapalli Khilla (fort) Ghat Rd, Andhra Pradesh 521228,  
India  
Lat 16.622852°  
Long 80.516925°  
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Google



**Students and Faculty thoroughly enjoyed this Botanical tour for one day with exploring all the wild species of plants on Kondapalli forest area and on hilly areas spanning an area of 4 kms and returned back to Vijayawada .**



The tour was very informative and beneficial to Botany students .

SRR & CVR Government Degree College

Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

*Principal*

**PRINCIPAL**  
SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA-520 004

*Lecturer*

**LECTURER IN CHARGE**  
Dept. of Botany  
SRR & CVR GOVT. DEGREE COLLEGE  
VIJAYAWADA-4, Krishna Dist.



STUDENT SIGNATURES AND FEEDBACK

| S.No | Date     | Class   | Roll no/ Reg no | Signature     | Remarks      |
|------|----------|---------|-----------------|---------------|--------------|
| 1    | 11.04.22 | III BZC | 19311001        | Adilakshmi    | Good.        |
| 02   | 11/4/22  | III BZC | 19311004        | lakshman Rao  | Satisfactory |
| 03   | 11/4/22  | III BZC | 19311012        | Venkatesh     | Good         |
| 04   | 11.4.22  | III BZC | 19311018        | Anil Kumar    | Got awarded  |
| 05   | 11/4/22  | III BZC | 19311005        | Mounika       | Useful       |
| 06   | 11.4.22  | III BZC | 19311003        | Nagamani      | Good         |
| 07   | 11.4.22  | III BZC | 19311014        | Balaji        | Satisfactory |
| 08   | 11/4/22  | III BZC | 19311019        | Meera Kameshi | Good         |
| 09   | 11/4/22  | III BZC | 19311002        | Manga Devi    | Useful.      |
| 10   | 11/4/22  | III BZC | 19311007        | P. S.         | Good         |
| 11   | 11/4/22  | III BZC | 19311011        | Sathya pr.    | Satisfactory |
| 12   | 11/4/22  | III BZC | 19311006        | Venkataiah    | Got awarded. |
| 13   | 11/4/22  | III BZC | 193110020       | Gayi          | Good.        |
| 14   | 11-4-22  | III BZC | 19311017        | Venu          | Useful       |
| 15   | 11-4-22  | III BZC | 19311013        | Sai babu      | Got awarded  |
| 16   | 11/4/22  | III BZC | 19311009        | Chin          | Satisfactory |



## STUDENT SIGNATURES AND FEEDBACK

| S.No | Date     | Class   | Roll no/ Reg no | Signature    | Remarks        |
|------|----------|---------|-----------------|--------------|----------------|
| 1    | 11.04.22 | III B2C | 19311212        | Srinivas     | Good           |
| 2    | 11/4/22  | III B2C | 19311214        | Rajakhas     | Satisfactory.  |
| 3    | 11-4-22  | III B2C | 19311201        | Malayana     | awareness      |
| 4    | 11/4/22  | III B2C | 19311225        | Priga        | Useful.        |
| 05   | 11.4.22  | III B2C | 19311213        | Preethi      | Good.          |
| 06   | 11/4/22  | III B2C | 19311215        | Ventat       | Awareness.     |
| 07   | 11/4/22  | III B2C | 19311218        | Naveen       | Good.          |
| 08   | 11.4.22  | III B2C | 19311232        | Bhargavi     | satisfactory   |
| 09   | 11/4/22  | III B2C | 19311231        | Manikanta    | Got Awareness. |
| 10   | 11/4/22  | III B2C | 19311224        | Mahima       | Useful         |
| 11   | 11/4/22  | III B2C | 19311223        | Rampri       | satisfied      |
| 12   | 11/4/22  | III B2C | 19311211        | Rex Dayan    | Good           |
| 13   | 11/4/22  | III B2C | 19311218        | Naveen       | Good.          |
| 14   | 11/4/22  | III B2C | 19311220        | Durga Prasad | Useful         |
| 15   | 11/4/22  | III B2C | 19311234        | Sonu         | Satisfactory   |
| 16   | 11/4/22  | III B2C | 19311216        | Ruby         | Good.          |



**A Group photo in Kondapalli fort**



# SRR & CVR GOVERNMENT DEGREE COLLEGE



An Autonomous & ISO 9001:2015 Certified Institution  
Ranked by NIRF in 101-150 band at NIRF-2020 & 151-200 band in NIRF-2019  
NAAC accredited Institution with B+ Grade

Machavaram, Vijayawada, Krishna District, Andhra Pradesh-520 004

www.srrcvt.ac.in srrrandcvt@gmail.com 0866-2430060 0866-2441092



|  |   |
|--|---|
| Date   | 22/08/2022  |
| Conducted through<br>(DRC/JKC/NCC/NSS) Department etc.         | Department of Botany                                      |
| Nature of the activity<br>Seminar/Work shop/Extn. Lecture etc. | Field Visit /Botanical tour                               |
| Title of the activity  | Field Trip to Kondapalli Reserveforest                    |
| Name of the<br>Department /committee                           | Department of Botany                                      |
| Details of the resource persons<br>(Name, Designation etc.)    | V. Naga Padmavathi<br>Dr.Ch. Srinivasa Reddy<br>V.B. Naik |
| No. of students participated                                   | 30  |
| Name of the Lecturer who planned<br>and conducted the activity | V. Naga Padmavathi<br>Dr.Ch. Srinivasa Reddy              |
| Remarks  | Field Trip was successful                                 |

## Students taking rest while trekking



The Botanical Tour was very informative and beneficial to the students

A field trip was conducted by the department of Botany on 22-08-2022 to Kondapalli reserve forest as part of curriculum. The students of I BZC & I BHC total 30 students were participated and accompanied by three staff members. Field study is an essential part of Botany as plants are best studied in their natural habitat. Kondapalli is located near to Ibrahim patnam. We got to see different types of life forms and collected plants for herbarium. Students also studied mosses, pteridophytes.



## Students collecting plants for herbarium

*Allex*

*Principal*

SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA-520 004

*Gopra*

LECTURER IN CHARGE  
Dept. of Botany  
SRR & CVR GOVT. DEGREE COLLEGE  
VIJAYAWADA-4, Krishna Dist.



**Faculty showing an Epiphyte Vanda with clinging & Aerial Roots**



## STUDENT SIGNATURES AND FEEDBACK

| S.No | Date | Class   | Roll no/ Reg no | Signature       | Remarks        |
|------|------|---------|-----------------|-----------------|----------------|
| 1.   |      | I BHC   | 21317207        | K. Monic L.     | Beneficial     |
| 2.   |      | I BHC   | 21317201        | A. Prasanthi    | USE FULL       |
| 3.   |      | I BHC   | 21317209        | T. Lavanya      | Got awareness. |
| 4.   |      | I BHC   | 21317205        | U. Jagadeesh    | Beneficial.    |
| 5.   |      | I BHC   | 21317206        | T. Myudula      | GOOD.          |
| 6    |      | I BHC   | 21317212        | P. Jithu        | Got Awareness  |
| 7.   |      | I BHC   | 21317204        | Devi Naga chini | Good           |
| 8.   |      | II B2C  | 20311205        | Monika.         | Useful         |
| 9    |      | III B2C | 20311223        | Saike Bai       | Good           |
| 10   |      | II      | 20311003        | P.              | Good           |
| 11.  |      | II B2C  | 20311216        | P. Sai          | Good           |
| 12   |      | III B2C | 20311008        | P. Sai          | Good           |
| 13   |      | III B2C | 20311213        | M. Gayathri     | Good           |
| 14.  |      | III B2C | 20311227        | H.              | Good.          |
| 15   |      | III B2C | 20311225        | R. Uma S.       | Good           |





STUDENT SIGNATURES AND FEEDBACK

| S.No | Date    | Class | Roll no/ Reg no    | Signature | Remarks        |
|------|---------|-------|--------------------|-----------|----------------|
| 16.  | 22/8/22 | IBZC  | <del>A Ditya</del> | Ditya     | Beneficial     |
| 17.  | 22-8    | IBZC  |                    | Panji     | Good           |
| 18.  | 22/8    | IBZC  |                    | Ishwarya  | Got awareness  |
| 19.  | 22-8    | IBZC  |                    | Sirivali  | Helpful.       |
| 20.  | 22/8    | IBZC  | -                  | Mokan     | Good.          |
| 21.  | 22/8    | IBZC  |                    | Supriya   | Helpful        |
| 22   | 22/8    | IBZC  |                    | Mokiblag  | Good           |
| 23   | 22/8    | IBZC  |                    | Joseph    | Very Help ful. |
| 24.  | 22/8    | IBZC  |                    | Gunesh    | Good           |
| 25.  | 22-8    | IBZC  |                    | Jagadeesh | Beneficial     |
| 26.  | 22/8    | IBZC  |                    | Revathi   | Good           |
| 27.  | 22-8    | IBZC  |                    | Deepthi   | Very Helpful   |
| 28.  | 22/8/22 | IBZC  |                    | Stravani  | Helpful.       |
|      |         |       |                    |           |                |
|      |         |       |                    |           |                |
|      |         |       |                    |           |                |



**SRR & CVR GOVT. DEGREE COLLEGE (A) VIJAYAWADA**

**DEPARTMENT OF MICROBIOLOGY**

**2021-2022**



**Field Visit**


**To**



**Biofertilizer Laboratory, ARS, ANGRAU, Amaravati,  
Guntur, Andhra Pradesh.**

**November 6<sup>th</sup> 2021**

## Permission Letter

 **S.R.R. & C.V.R. GOVT. DEGREE COLLEGE**  
(Autonomous)  
NAAC accredited with 'B+' Grade  
Machavaram, VIJAYAWADA - 520 004 Krishna District.  
Cell : 9848251236 Ph : 0866-2430060, Fax : 0866-2441092, www.srrcvr.ac.in srrandcivr@gmail.com

*Dr. K. Bhagya Lakshmi, M.Sc. M.Phil Ph.D.*  
Principal

Date 21-10-2021

To

The Director,  
Agricultural Research Station,  
Amravati,  
Guntur (DT),  
Andhra Pradesh,  
PIN - 5522020.

Respected Sir,

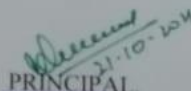
Sub: Request for permission of our Microbiology students to visit your  
Agricultural research station Amravati – Regd.,

With reference to above subject, as part of degree course curriculum, the  
students of our college who are studying Microbiology need to visit research station, and  
should expose to R&D Division. Hence I request you kindly permit 20 students of our college  
to visit your agricultural station in your convenient date and time.

Your kind permission to visit industry is more useful to upgrade knowledge & skill  
of student community.

Thanking You.

Yours Truly,

  
21-10-2021  
PRINCIPAL  
PRINCIPAL  
SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machevaram, VIJAYAWADA - 520004

**Acceptance:** Through telephonic call accepted the request and permitted the students to visit the laboratory on **November 6<sup>th</sup> 2021.**

## Students Attended

### Students Attended

| S.No | Redg . NO | Name of the Student  | Class                | Signature            |
|------|-----------|----------------------|----------------------|----------------------|
| 1    | 19313201  | J. Chandini Priya    | III B.sc (MBC)       | J. Chandini Priya    |
| 2    | 19313202  | P. Sadvik            | III B.sc (MBC)       | P. Sadvika           |
| 3    | 19313203  | V. Rameswar Reddy    | III B.sc (MBC)       | V. Rameswar Reddy    |
| 4    | 19313204  | G. Nagavamsi         | III B.sc (MBC)       | G. Nagavamsi         |
| 5    | 19313205  | M. Tulasi            | III B.sc (MBC)       | M. Tulasi            |
| 6    | 19313206  | T. Teja              | III B.sc (MBC)       | T. Teja              |
| 7    | 19313207  | P Ravi Teja          | III B.sc (MBC)       | P. Ravi Teja         |
| 8    | 19313208  | T Durga Amal Prasad  | III B.sc (MBC)       | T Durga Amal Prasad  |
| 9    | 19313209  | T Bharathi           | III B.sc (MBC)       | T. Bharathi          |
| 10   | 19313210  | J Venkateswaralu     | III B.sc (MBC)       | J. Venkateswaralu    |
| 11   | 19313211  | K Kineera            | III B.sc (MBC)       | K. Kineera           |
| 12   | 19313212  | Ch. Lakshmi Harika   | III B.sc (MBC)       | Ch. Lakshmi Harika   |
| 13   | 19313217  | E. Divya Keerthana   | 3 <sup>rd</sup> B.sc | E. Divya Keerthana   |
| 14   | 19313218  | G. Gopal Rao         | III B.sc (MBC)       | G. Gopal Rao         |
| 15   | 19313220  | M. Ramesh            | III B.sc (MBC)       | M. Ramesh            |
| 16   | 1931321   | K. Vagadhan Babu     | 3 <sup>rd</sup> BSC  | K. Vagadhan Babu     |
| 17   | 19313223  | S. Prudhvi Nayak     | 3 <sup>rd</sup> BSC  | S. Prudhvi Nayak     |
| 18   | 19313224  | J. Vijay Babu        | 3 <sup>rd</sup> BSC  | J. Vijay Babu        |
| 19   | 19313225  | C. Ramdev            | 3 <sup>rd</sup> BSC  | C. Ramdev            |
| 20   | 19313229  | B. Aaron Wesley Paul | 3 <sup>rd</sup> BSC  | B. Aaron Wesley Paul |
| 21   | 19313230  | K. Prayathishna      | III B.sc             | K. Prayathishna      |
| 22   | 19313226  | Sk. Ameera Kousar    | III B.sc             | Sk. Ameera Kousar    |

# Report

## **Field trip to Biofertilizer Laboratory, ARS, ANGRAU, Amaravati, Guntur, Andhra Pradesh.**

As a part of the curriculum, students of **III B.Sc (MBC)** Microbiology visited Biofertilizer Laboratory ARS, ANGRAU, Amaravathi, and Guntur on 6/11/2021. It is one of the most important producers of biofertilizers in the State under the Department of the Agriculture with a capacity to produce 20 to 25 metric tons of different types of Biofertilizers annually to supplement the use of chemical fertilizers considerably.

### **Experiences of Students about Field Trip**

#### **My experience on field trip to Biofertilizer Laboratory ARS, ANGRAU, Amaravathi.**

I am Keerthana studying III BSc Microbiology in SRR and CVR Govt. Degree College (A) Vijayawada. As a part of our course we have to attend some field trips, On behalf of that we have visited Biofertilizer laboratory ARS, ANGRAU, Amaravati, Guntur on 6<sup>th</sup> November 2021.

Dr K Lakshmipathy , Senior Scientist , In charge Biofertilizer laboratory guided us to learn the aim and objectives of the laboratory . Different types of Biofertilizers produced in the lab and benefits and usage of Biofertilizers. Sir explained about isolation and mass multiplication of various biofertilizers viz *Rhizobium*, *Azotobacter*, *Azospirillum*, YAM and Phosphate solubilizing bacteria.

#### **Aim and Objectives of the Laboratory:**

Realization of the adverse effect caused by using excessive and continuous use of chemical fertilizers and other synthetic agricultural inputs that which leads to depletion or degradation of soil fertility status, environmental pollution, human health hazards at the same time destruction of natural ecosystem.

This laboratory produces different types of biofertilizer for increasing crop production level, to improve soil fertility status to minimize human health hazards problems, to minimize the use of chemical fertilizers to provide organic farming/ organic agriculture and to minimize environmental pollution and to conserve natural eco systems in an eco-friendly way.

#### **Biofertilizers:**

Biofertilizers are carrier-based preparation containing live or latent cells of effective strains of bacteria or fungi. They help in fixing or solubilizing the nutrients present in air or in the soil which is then made available to the plants.

#### **Different types of biofertilizers produced in the laboratory**

1. **Rhizobium:** It is a Nitrogen fixer. It uses for legume crops like pulses and oil seed crops like soya beans and groundnut. Rhizobium is crop specific.

2. **Azotobacter:** It uses for cereal crops vegetables crops, oil seed crops, plantation crops, fruit crop and flowers.
3. **Azospirillum:** It uses for cereal crops vegetables crops, oil seed crops, plantation crops, fruit crop and flowers.
4. **Phosphate Solubilizing Microorganisms:** It uses in all crops, along with nitrogenous biofertilizers

#### **Benefits of biofertilizers:**

1. Biofertilizers reduce the use of synthetic fertilizers and pesticides
2. Biofertilizers provide protection against drought and some soil borne diseases.
3. Biofertilizers also promote healthy soil, leading to greater forming sustainability.

#### **Outcome of the trip:**

We understand that Biofertilizers are living organisms of bacteria, fungi and algal origin, which can help plants to absorb nutrients, fix atmospheric nitrogen in the soil and solubilize the in solvable forms of phosphates into available form and mineralization.



**Dr K Lakshmi Pathy, Senior Scientist, ARS, ANGRAU, Amaravati, Guntur Addressing the Students dated November 6<sup>th</sup> 2021**



**Fermentor for Mass multiplication of Biofertilizers**



**Biofertilizer Laboratory, ARS, ANGRAU, Amaravati, Guntur, Andhra Pradesh**

## **ACKNOWLEDGEMENTS**

We express our deep sense of gratitude to Dr. K. Bhagya Lakshmi, Principal SRR & CVR Govt. Degree College Autonomous, Vijayawada for her support and constant encouragement to upgrade the knowledge and skills of students

WE indebted to **Biofertilizer Laboratory, ARS, ANGRAU, Amaravati, Guntur, Andhra Pradesh** for permitting the students III BSc (MBC), **SRR & CVR GOVT.** Degree College Autonomous, **VIJAYAWADA**

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In Charge Dept of Microbiology

PRINCIPAL

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*D. Jyothi*

In Charge Dept of Microbiology

*Principals*  
12.11.2024  
PRINCIPAL

PRINCIPAL  
SRR & CVR GOVT. DEGREE COLLEGE  
(Autonomous)  
Machavaram, VIJAYAWADA - 520004