

# Experiential Learning Students Field Visits

2018-19 TO 2022-23

DEPARTMENT OF PHYSICS, FIELD VISITS AND EDUCATIONAL TOUR

S.A.S GOVERNMENT DEGREE COLLEGE NARAYANAPURAM, ELURU DISTRICT

SAS GOVERNMENT DEGREE COLLEGE, NARAYANAPURAM ELURU DISTRICT  
ANDHRA PRADESH.

DEPARTMENT OF PHYSICS

ACTIVITY REPORT ON FIELD TRIP/ VISIT



| S.NO | Academic year | No. of Field Trips Conducted | Place of visit                                      | No. of students participated | Purpose of visit   |
|------|---------------|------------------------------|---|------------------------------|--|
| 1    | 2022-23       | 4                            | 1. Maredumilli                                      | 23                           | To study Bio-Diversity    |
|      |               |                              | 2. Study tour to Siddhartha (A) college, Vijayawada | 23                           | To study experimental verification and hands on experience                                      |
|      |               |                              | 3. Lixil Sanitary ware (PVT) Limited-Bhimadolu      | 20                           | To learn the procedure of ceramic products   |
|      |               |                              | 4. Arnav Polymers PVT Unguturu, Eluru District      | 15                           | To gain the knowledge on fabrication of thermocol sheets and box                              |
| 2    | 2021-22       | 2                            | 1. Prism Johnson-Johnson PVT company – Chebrolu     | 23                           | To Learn the turbo Mixer machine and polishing machine   |
|      |               |                              | 2. Arnav Polymer PVT – Unguturu, Eluru District     | 15                           | To gain the knowledge on fabrication of thermocol sheets and box   |
| 3    | 2020-21       | 1                            | 1. Balayogi Science Park- Eluru                     | 17                           | To observe science equipment's   |
| 4    | 2019-20       | 2                            | 1. Social Forest-Unguturu.                          | 10                           | To learn social forest    |
|      |               |                              | 2. The Andhra Sugars Ltd, Bhimadole                 | 10                           | To observe and study the process of manufacturing of sugar and gain a real world experience.  |

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|   |         |   |                                     |    |  |
|---|---------|---|-------------------------------------|----|--|
| 5 | 2018-19 | 2 | 1. Solar Plant-<br>Gollagudem       | 15 | To study solar power<br>generation plant   |
|   |         |   | 2. Educational tour to<br>Polavaram | 15 | To study the construction<br>material used for construction<br>and process of Polavaram<br>irrigation project and reservoir. |

ACTIVITY REPORT ON FIELD TRIP/ VISIT

B Venkata Rao  
Dept. In-Charge

*T. Venkata Rao*

Principal

PRINCIPAL  
SAS GOVT. DEGREE COLLEGE  
NARAYANAPURAM  
West Godavari District.  
Pin: 534 406, Andhra Pradesh



## 1. MAREDUMILLI-EASTERN GHATS

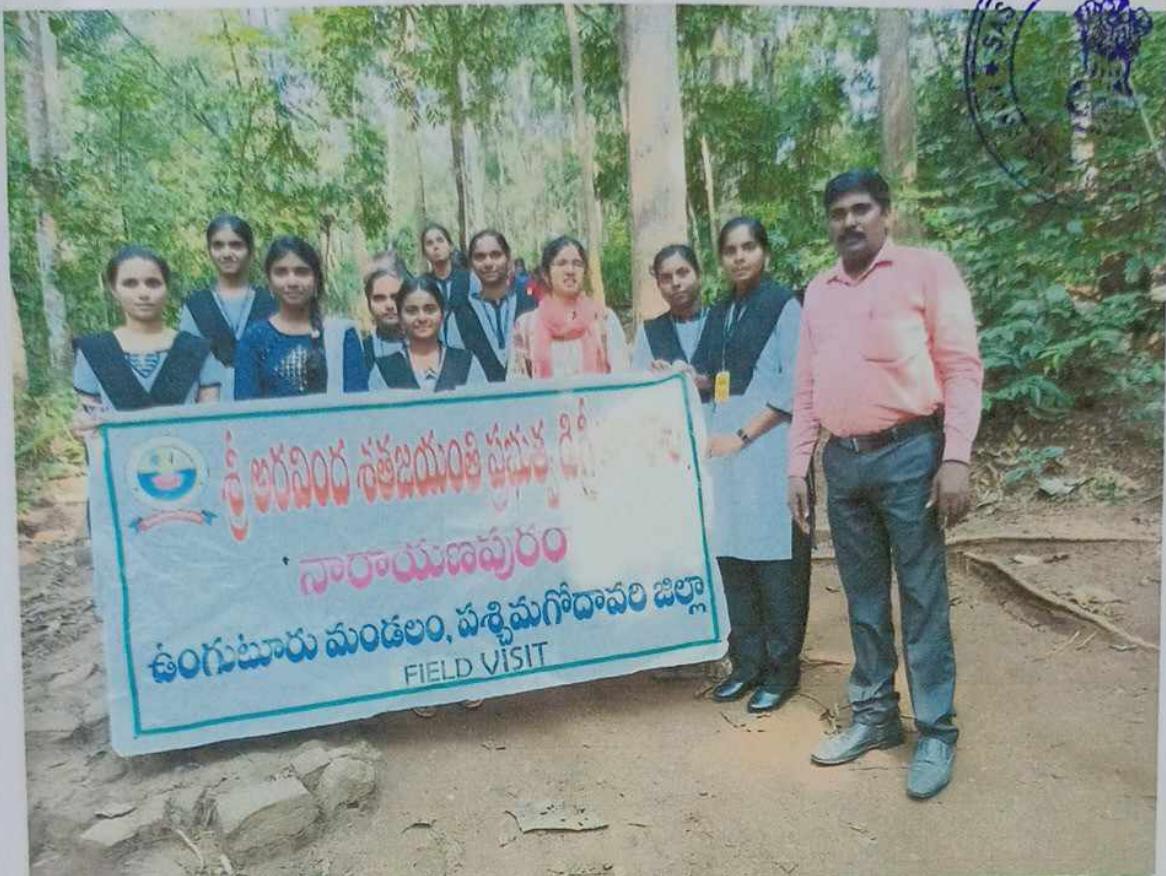
The Department of Physics and Life Science organized a field visit at Maredumilli along with I,II,III year B.Sc students on 05-12-2022.

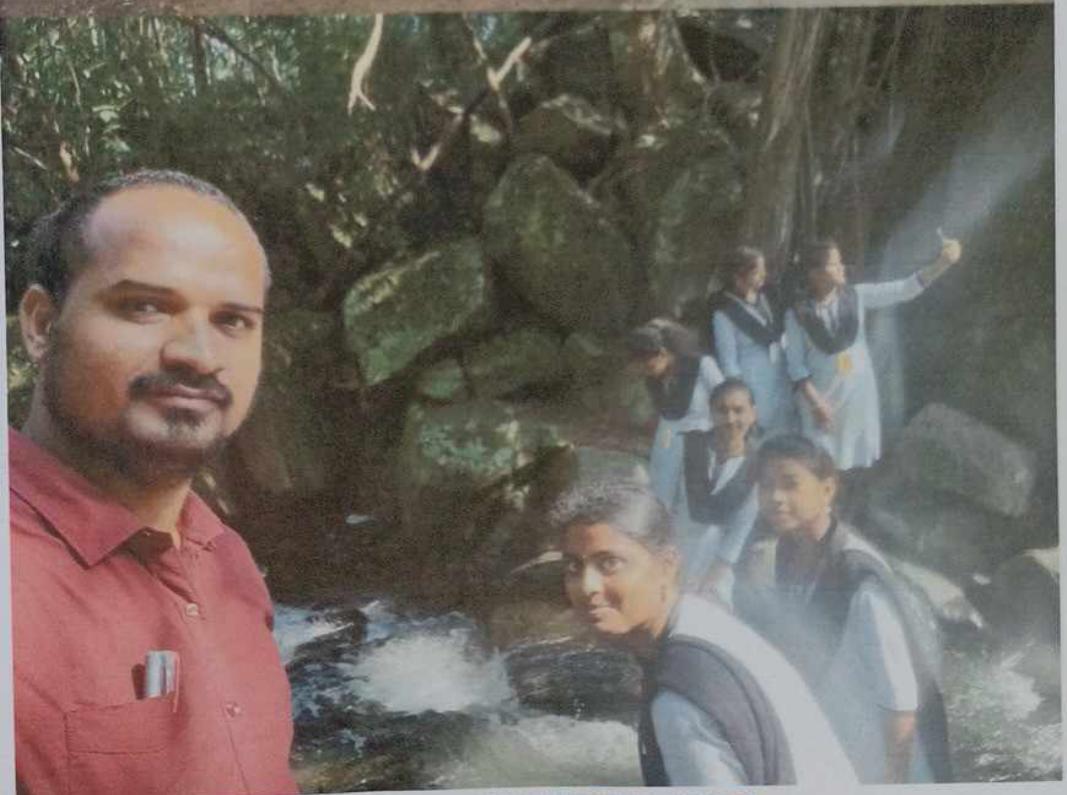
### Major Observations:

1. The forest Department created charming tiny community as an Eco-Tourism in thick forest of Eastern – Ghats.
2. Maredumilli is home to nature tribes, animals and the natural world .



MAREDUMILLI-EASTERN GHATS





MAREDUMILLI-EASTERN GHATS

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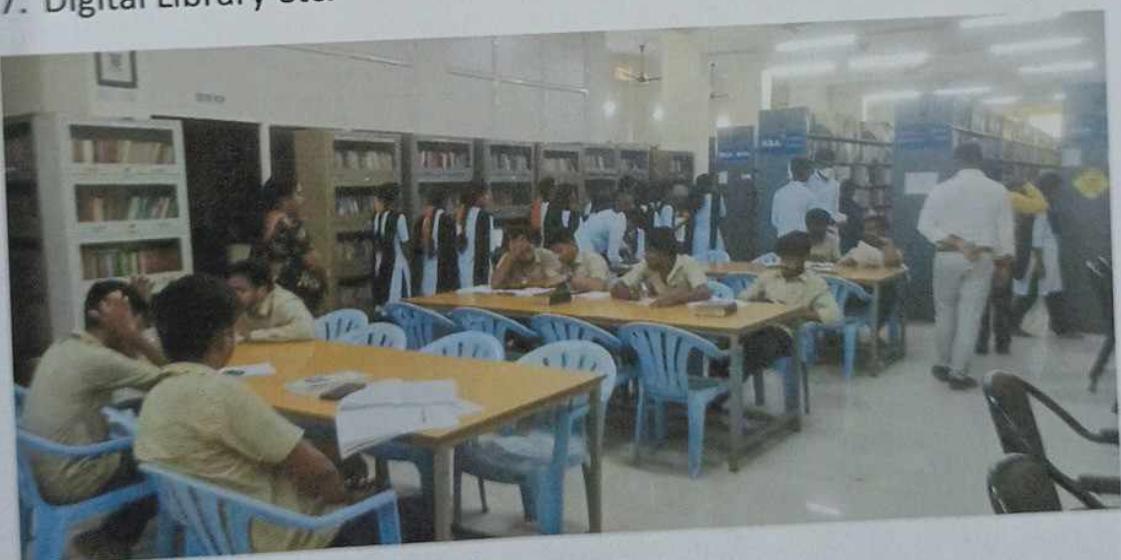


## 2. Study Tour to P B SIDDHARTHA COLLEGE OF ARTS & SCIENCE

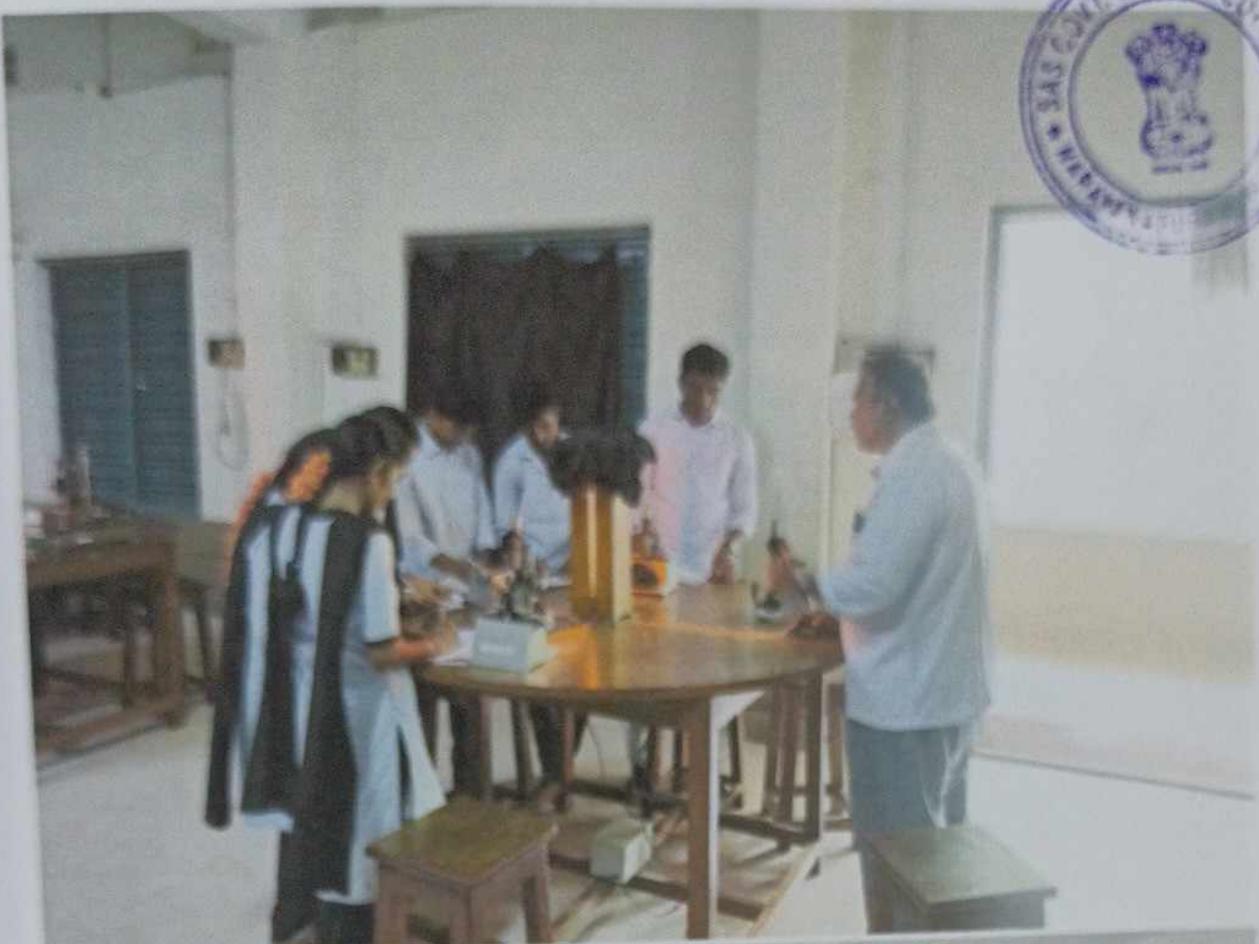
The Department of Physics and Mathematics organized a study visit at P B Siddhartha (A) college of arts and Science along with I and II year B.Sc students on 29-04-2023.

### Major Observations:

1. Students has learned the experimental verification related to the Optics and light experiments.
2. Newtons Ring experiment
3. Resolving power of prism
4. Diffraction Grating
5. Resolving power of Hollow prism
6. Boys method
7. Digital Library etc.



Digital Library





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## PHYSICS and CHEMISTRY LABS

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### 3. Lixil Sanitary ware (PVT) Limited Bhimadolu

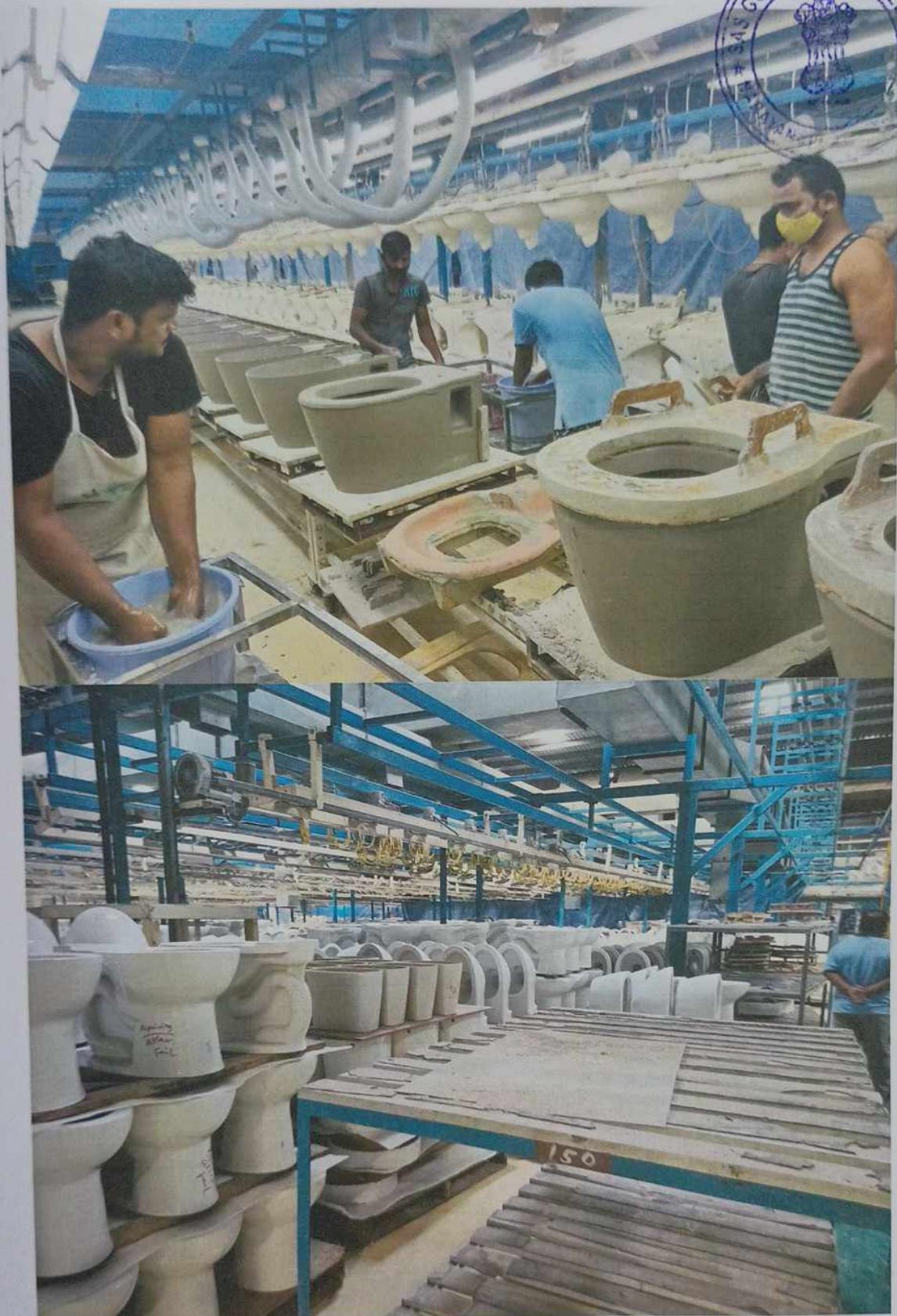
The Department of Physics organised a field visit to Lixil Sanitaryware Limited – Bhimadolu along with I & II year B.Sc Students on 20.07.2023.

#### or Observations:

Manufacturer of Bathroom shower & Wash basin by Lixil India, is a Japanese group of Companies that manufacturers building material plumbing fixtures and housing equipment, headquartered in Tokyo.



Lixil India Sanitaryware Pvt Limited – Bhimadolu



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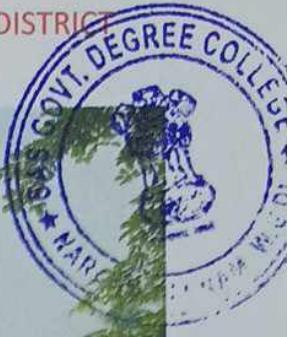
# Fabrication of Bathroom basins and sinks

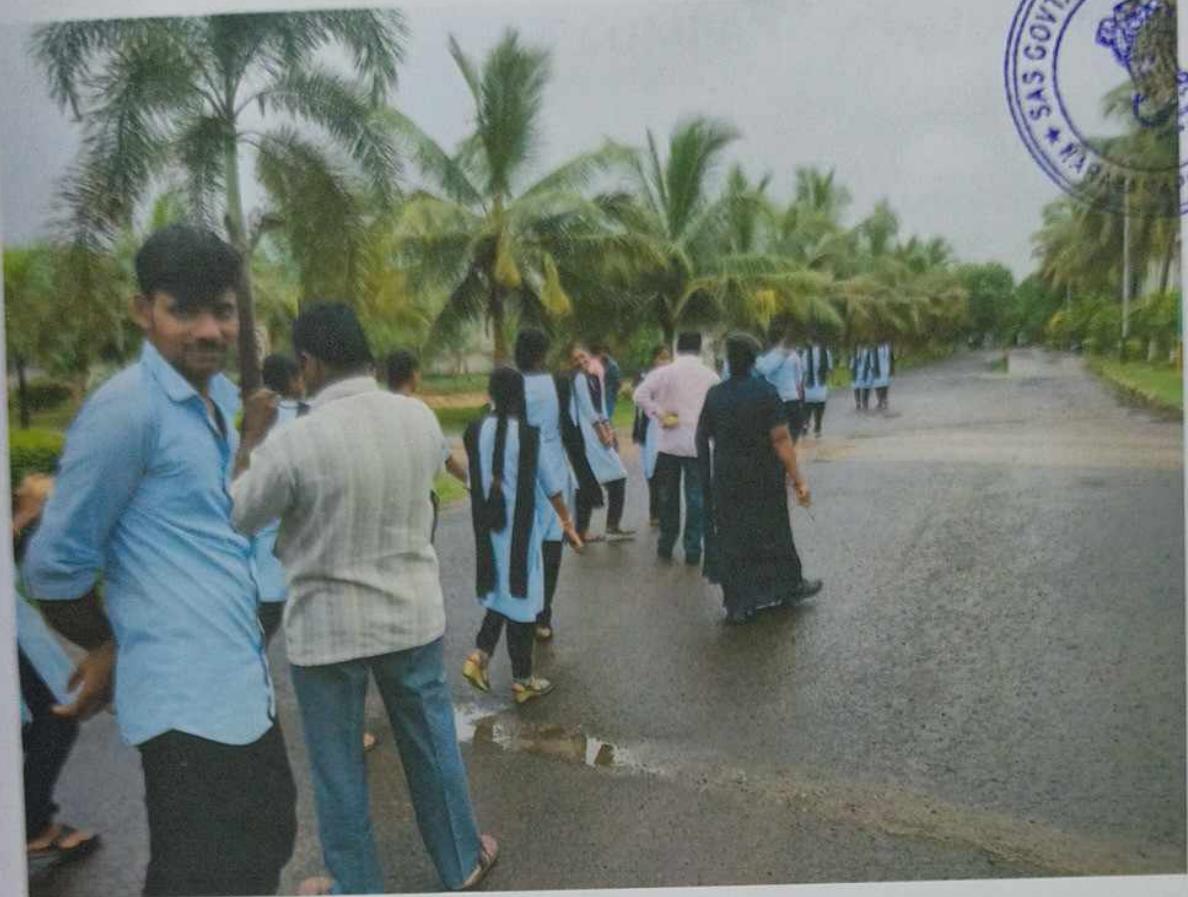


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# Site seeing inside the Company

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#### 4. ARNAV POLYMER PVT COMPANY-UNGUTTU



The Department of Physics organised a field visit to Arnav Polymer PVT Company at Unguttu, Eluru District along with 12th year B.Sc. Students on 20.07.2023.

#### Major Observations:

1. Husk
2. Boiling water
3. Raw material
4. Pressure
5. 3D cutting machine
6. Thermocol sheets and boxes
7. Density of thermocol





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## Department of Physics

### Students Field Visits -- 2021-22

#### Prism Johnson-Johnson PVT company – Chebrolu

Department of Physics has taken an initiation to visit Prism Johnson & Johnson Tiles Pvt.Ltd Company at Narayananapuram on 22.02.2022. All the three-Year students (1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> M.P.C) along with students some other departments and lecturers are visited the field successfully. The supervisor of the factory explained in detail about the manufacturing of the tiles

#### Major Observations:

- Raw material
- Grainers
- Turbo Mixtures
- Slurry making
- Pressing pressure
- Heating Temperature
- Polishing the tails
- oven

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## ARNAV POLYMER PVT COMPANY-UNGUTURU



The Department of Physics organised a field visit to Arnav Polymer PVT Company at Unguturu, Elluru District along with II year B.Sc Students on 21.09.2022.

### Major Observations:

1. Husk
2. Boiling water
3. Raw material
4. Pressure
5. 3D cutting machine
6. Thermocol sheets and boxes
7. Density of thermocol

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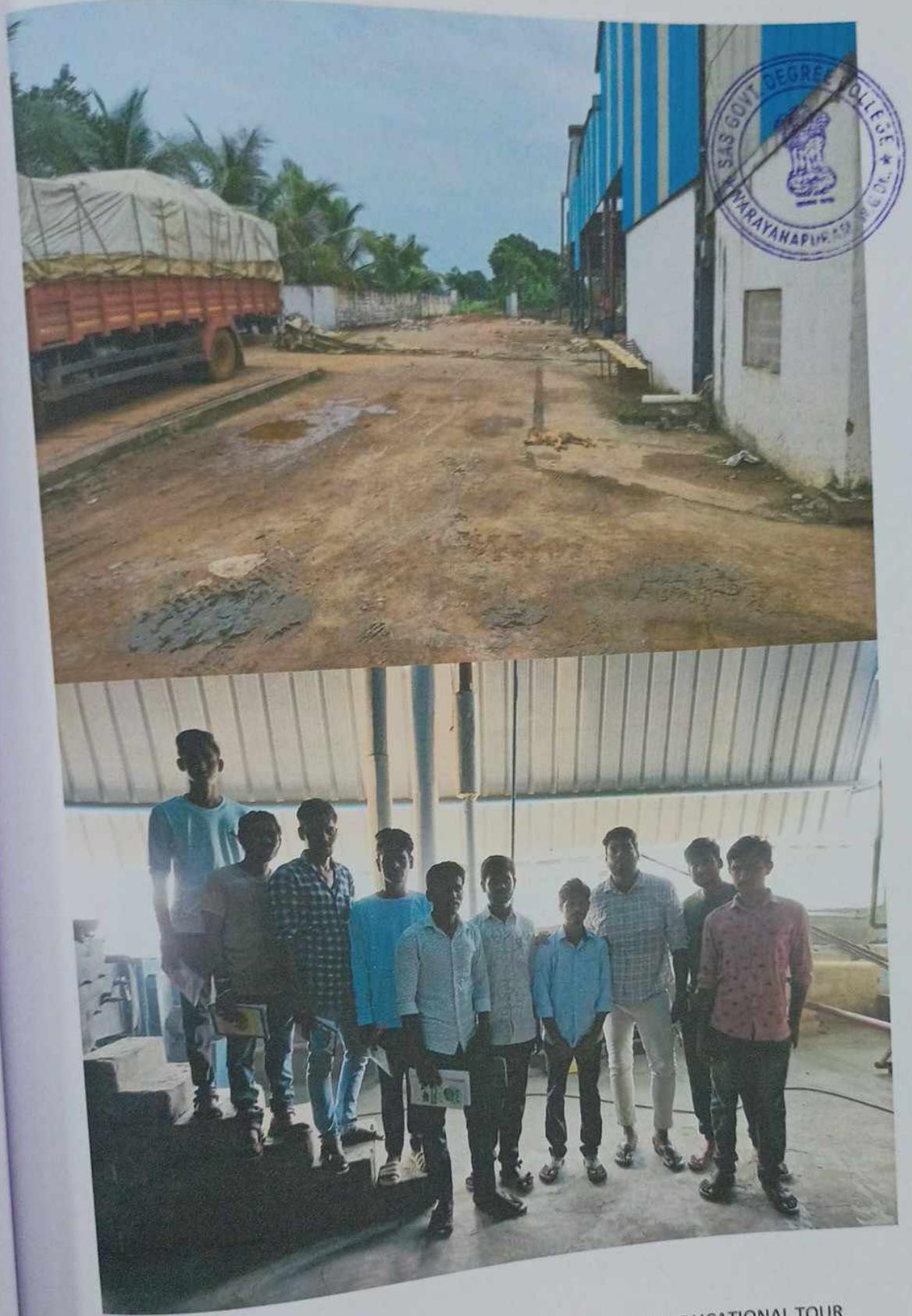
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## Department of Physics

### Students Field Visits -- 2020-21



#### Balayogi Science Park-Eluru

The Department of Physics organised a field visit Balayogi Science park, Eluru, West Godavari District along with III year B.Sc Students on 17.03.2021.

#### Major Observations:

1. Observe Science Museum
2. Observe Slides and Spotters
3. Observe Bio Visual Charts



Balayogi Science Park-Eluru

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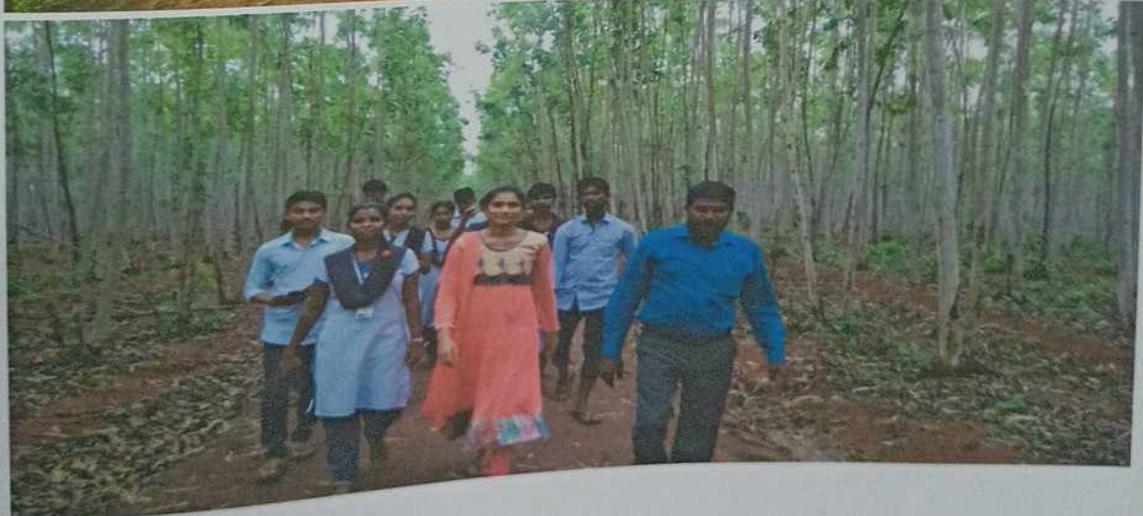
Department of Physics  
Students Field Visits – 2019-20  
Social Forest –Unguturu



The Department of Physics organised a field visit to the Social forest at Unguturu, East Godavari District along with III year B.Sc Students on 26.08.2019.

**Major Observations:**

1. Observe Plantation
2. Observe Animals
3. Observe Bio –Diversity



Social Forest –Unguturu

## Students Field Visits – 2019-20

### Department of Physics-2019-20



The Department of Physics Organized FIELD VISIT TO THE ANDHRA SUGARS LTD. SUGAR UNIT-III, SURAPPAGUDEM, BHIMADOLE. TO STUDY THE MANUFACTURING OF SUGAR ON A LARGE SCALE BY THE STAFF AND STUDENTS ON 01.02.2020.



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Department of Physics

Students Field Visits – 2018-19



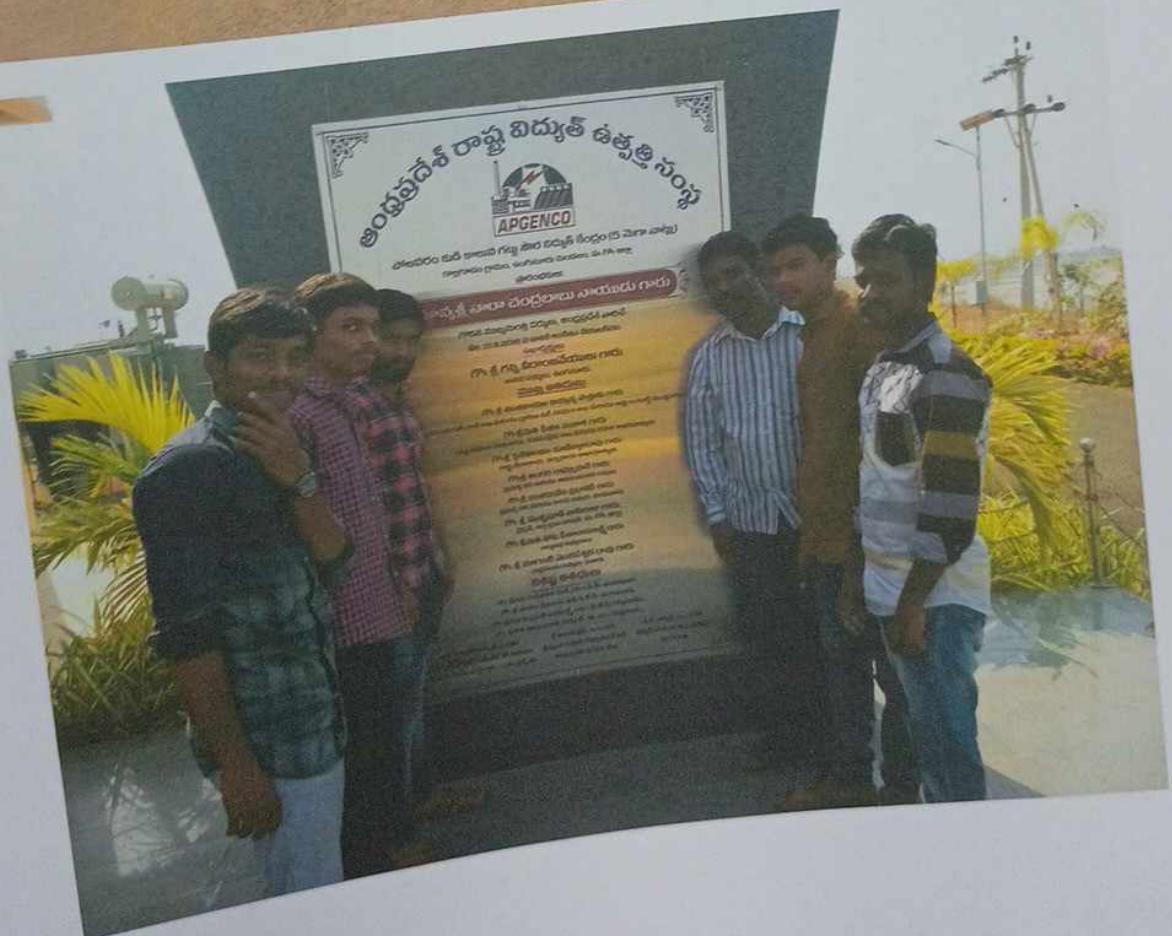
## Solar Plant-Gollagudem

The Department of Physics organised a field visit Solar Plant at Gollagudem, West Godavari District along with III year B.Sc Students on 10.01.2019.

### Major Observations:

1. Observe Solar plant
2. Observe Construction and working of solar panels
3. Observe the how much electricity can generate the solar cell
4. What are the difference between the series and parallel connection of solar cell.
5. Observe the different types of solar cells.

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Department of Physics  
Students Field Visits – 2018-19



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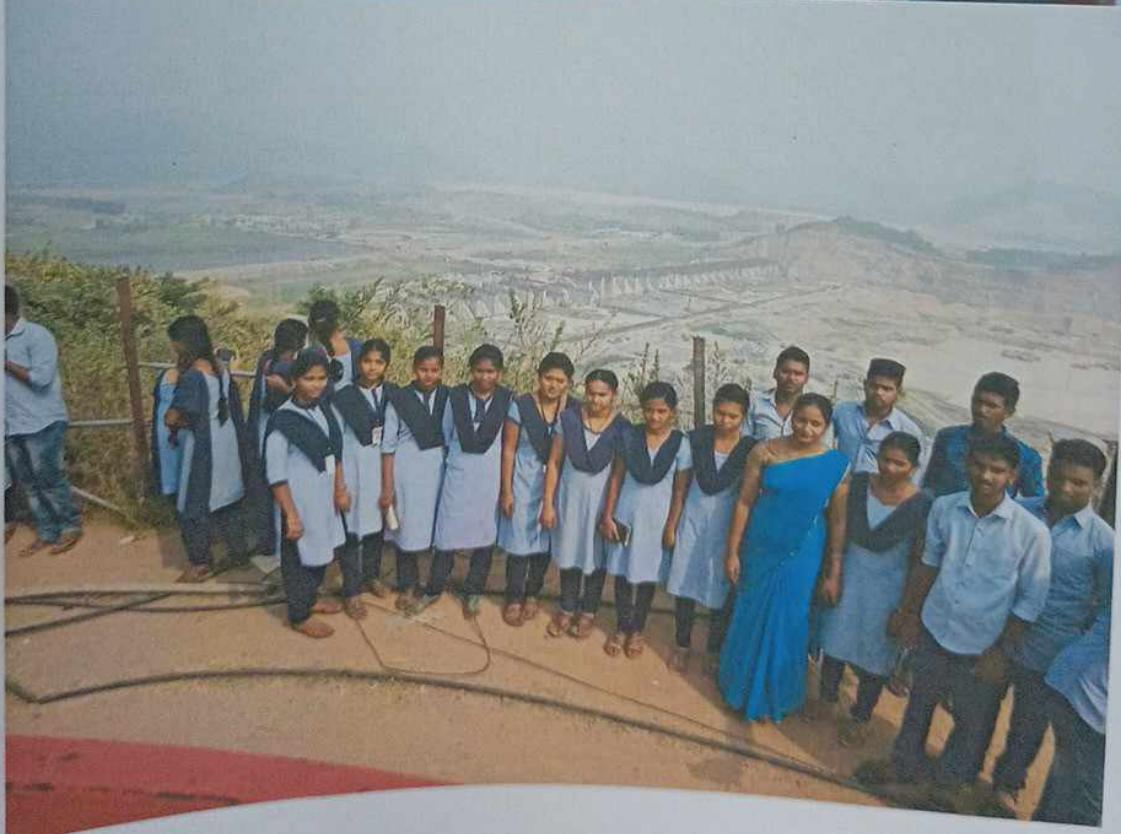
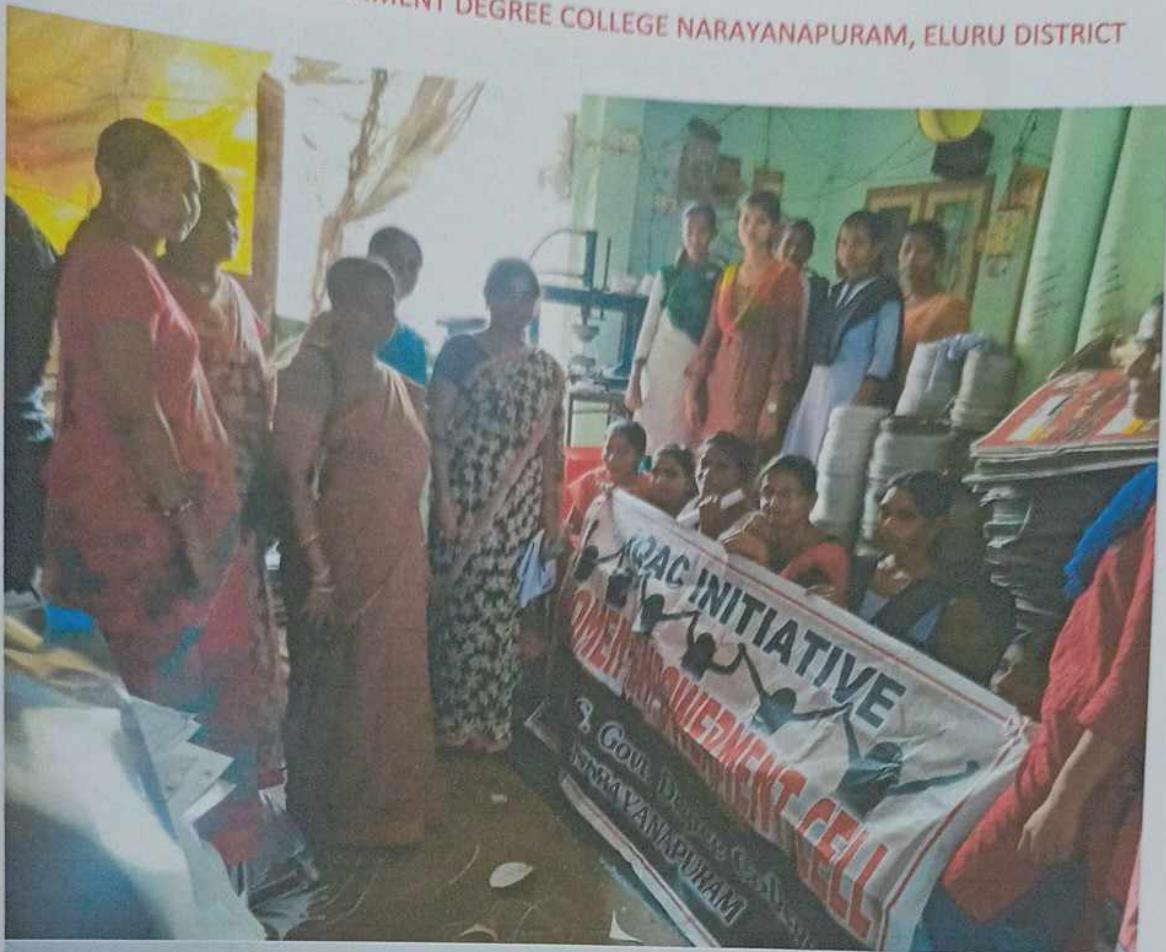
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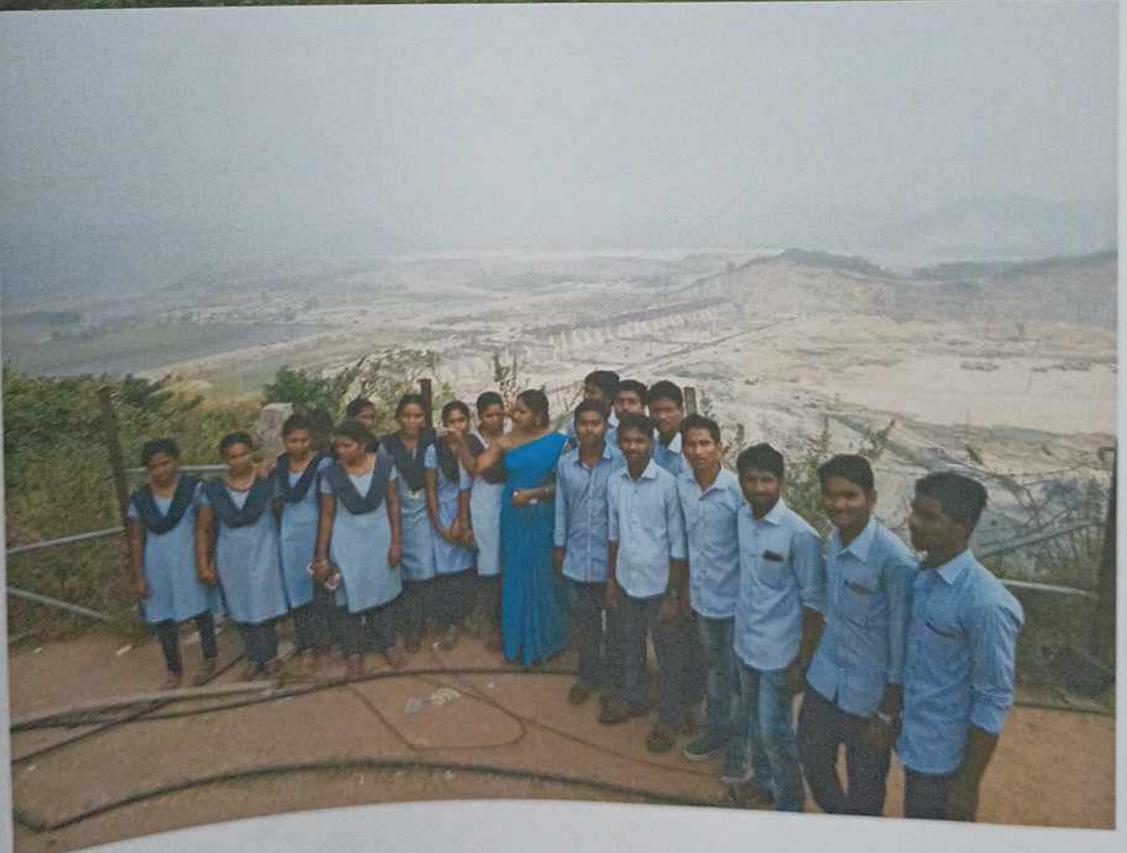
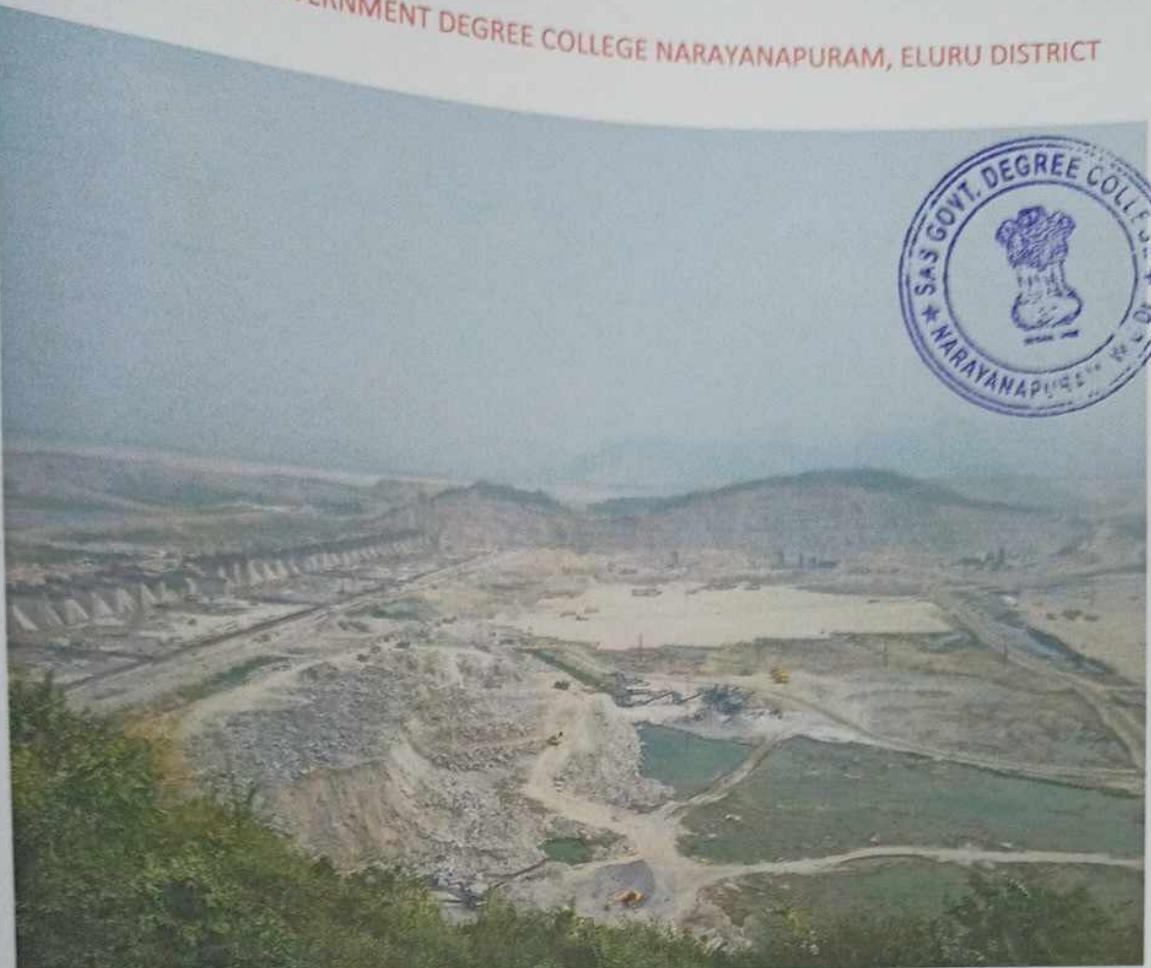


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# THANK YOU

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