



GOVERNMENT DEGREE COLLEGE (MEN)

ACCREDITED BY NAAC WITH B++ (CGPA 2.90)

Srikakulam - 532001, Andhra Pradesh, India

ph: 08942 222345 e-mail: info@gdcsmakm.ac.in website: https://www.gdcsmakm.ac.in



## Minutes of the Meeting of the Department of Physics

Date: October 11, 2024

Time: 4:30 PM

Venue: Physics Department Room

### Agenda:

To discuss and finalise arrangements for a proposed field trip to the Floating Solar Plant at Mudasarlova, Visakhapatnam.

### Attendance:

All faculty members of the Department of Physics.

### Meeting Summary:

The Head of the Department introduced the proposal for a field trip to the Floating Solar Plant at Mudasarlova, Visakhapatnam, scheduled for October 29, 2024. The objective of the trip is to provide students with practical exposure to renewable energy technology, particularly in solar power generation, and to complement their academic curriculum.

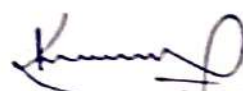
### Resolution:


After a discussion on logistics, budget, and educational benefits, it was unanimously resolved to organise the field trip with the principal's permission. Faculty members volunteered to coordinate transportation, permissions, and safety measures for students.

### Action Items:

1. Seek official approval from the principal.
2. Finalise transportation and food arrangements.
3. Prepare a list of safety guidelines and ensure all students receive them.
4. Assign faculty members as trip supervisors for student safety and guidance.

The meeting concluded at 4:45 PM with all members in agreement on the plan.

  
R. Ravi Kumar  
11/10/24

  
In-Charge  
Department Of Physics  
Government Degree College (MEN)  
SRIKAKULAM



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## REQUEST LETTER

DATE : 12.10.2024

PLACE: SRIKAKULAM

From.

M.V.Satyanarayana,

Incharge,

Department of Physics,

Government Degree College for Men

Srikakulam

To

The Principal,

Government Degree College for Men,

Srikakulam.

Respected Madam,

Subject: Request for Permission for Field Trip to The Mudasarlova Reservoir Floating Solar Power PlantSolar Floating Park, Visakhapatnam.

I am writing to seek your approval for a field trip to The Mudasarlova Reservoir Floating Solar Power PlantSolar Floating Park, Visakhapatnam, for a group of 56 students from various years and sections of our college.

The proposed trip aims to provide students with a unique opportunity to learn about renewable energy sources and the innovative applications of solar technology. This visit aligns with our curriculum and will enhance students' understanding of environmental sustainability, an increasingly important subject in today's world.

We plan to conduct the trip on 29.10.2024, and arrangements for transportation and safety will be taken care of. The students will be accompanied by faculty members to ensure proper supervision and adherence to safety protocols.

I believe this field trip will not only enrich our students' academic experience but also inspire them to engage with sustainable practices in their future endeavours.

Thank you for considering this request. I look forward to your positive response.

Yours Faithfully

In - Charge  
Department Of Physics  
Government Degree College (MEN)  
- SRIKAKULAM

12/10/2024  
PRINCIPAL  
Govt. Degree College (MEN)  
SRIKAKULAM

## REQUEST LETTER

From.  
The principal,  
Government Degree College for Men  
Srikakulam-532001,  
[Srikakulam.jkc@gmail.com](mailto:Srikakulam.jkc@gmail.com),

Date:14.10.2024,  
Place: SRIKAKULAM.

To  
The Manager,  
GVMC Smart City,  
R.K.Beach,  
Visakhapatnam

Respected Sir,

Subject: Request for Permission for a Field Trip -Regarding

I am writing to seek your permission for a field trip to The Mudasarlova Reservoir Floating Solar Power Plant Solar Floating Park, Visakhapatnam, for a group of 50 students from Government Degree College for Men, Srikakulam.

The purpose of this visit is to provide our students with a firsthand understanding of renewable energy technologies, specifically floating solar power systems. We believe that this experience will greatly enhance their educational journey and inspire them to explore careers in sustainable energy and environmental conservation.

We are planning to conduct the field trip on 24-10-2024. We assure you that all safety protocols will be observed, and we will ensure that the students conduct themselves appropriately during the visit.

We would greatly appreciate any guidance or recommendations you could provide regarding the visit, including any specific requirements or permissions needed.

Thank you for considering our request. We look forward to your positive response.



Yours Faithfully,

  
PRINCIPAL  
Govt. Degree College (Men)  
SRIKAKULAM  
14/10/24





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DEPARTMENT OF PHYSICS

GOVERNMENT DEGREE COLLEGE FOR MEN, SRIKAKULAM

## CIRCULAR

Date: 16/10/2024

This is to inform all students that a field trip has been organised to the Floating Solar Park at Mudasarlova, Visakhapatnam on 29th October 2024. Interested students who wish to participate in this educational trip are requested to submit their names to Sri. R. Ravi Kumar, Lecturer in Physics, as soon as possible.

The trip offers a unique opportunity to learn about renewable energy and solar power technologies.

For more details, please contact Sri. R. Ravi Kumar.

III BSC HPCS

III BSC HPC

III BSC HPE

16/10/24

II Bsc physics

16.10.24  
- Department Of Physics  
Government Degree College (Men),  
SRIKAKULAM



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## Outcomes of the Floating Solar Plant Field Visit:

The field visit to the Floating Solar Park at Mudasarlova, Visakhapatnam, will provide students with the following key learning outcomes:

### 1. Understanding Renewable Energy:

Students will gain a deeper understanding of renewable energy sources, particularly solar power, and how floating solar plants contribute to sustainable energy production.

### 2. Technological Insights:

The visit will offer first hand exposure to the technology behind floating solar panels, including their design, installation, and functioning.

### 3. Environmental Impact:

Students will learn about the environmental benefits of using floating solar plants, such as reduced land usage and minimal impact on ecosystems.

### 4. Practical Application of Physics Concepts:

The trip will provide practical insights into the physics of solar energy conversion, the photovoltaic effect, and power generation.

### 5. Innovation and Future Trends:

Exposure to innovative solar technologies and the role they play in addressing global energy needs will inspire students to think critically about the future of energy production.

### 6. Inspiration for Research and Careers:

The visit will inspire students to explore careers in renewable energy, environmental science, and related fields.

Overall, the field trip will enhance students' theoretical knowledge by connecting it with real-world applications in the field of sustainable energy and technology.

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## About Floating Solar Park at Mudasarlova:

The **Floating Solar Park at Mudasarlova**, located near Visakhapatnam in Andhra Pradesh, is one of India's significant initiatives in the renewable energy sector. It is designed to harness solar power by deploying solar panels on floating platforms over water bodies, such as reservoirs or ponds, rather than on land.


Key features of the park include:

The 2 MW floating solar photovoltaic (PV) plant has been installed at the Mudasarlova reservoir in Visakhapatnam. This pioneering project was initiated in 2017 and successfully commissioned in August 2018. The plant spans an area of 17,500 square metres (approximately 4.4 acres), with intermittent operation to allow for the exchange of gases and sunlight, ensuring optimal performance.

A total of 6,250 poly-crystalline solar panels have been installed, each tilted at a 15-degree angle towards the south for maximum exposure to sunlight.

### Project Overview:

- Capacity of the Plant: 2 MW
- Mode of Operation: Floating Solar PV System
- Project Initiation Year: 2017
- Plant Commissioning Year: 2018
- Installation Period: 7 months
- Total Project Cost: ₹11.63 Crore
- Payback Period: 10 years
- Expected Plant Life: 25 years
- Area Occupied: 4.4 acres / 17,500 sq.m
- Number of Solar Panels: 6,250
- Solar Panel Type: Poly-crystalline, tilted at 15 degrees southwards

  
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- Number of Floats: 3,400
- Float Material: High-Density Polyethylene (HDPE)
- Module Mounting Structure: Aluminium
- Float Capacity: 350 kg per float
- Inverters Used: 2 inverters of 1 MW each
- Indoor HT Vacuum Circuit Breaker System
- Step-up Substation: 440V/33kV
- Real-Time Data Tracking: SCADA System
- Data Integration: Integrated into the Central Operations Centre (COC)

### Project Outcomes:

- Total Generation (Sep'18 to Aug'24): 14,840 MWh (1,48,40,329 kWh)
- Average Annual Generation: 2,473 MWh (24,73,388 kWh)
- Total Revenue: ₹9.07 Crore
- Average Annual Electricity Bill Savings: ₹1.51 Crore
- CO<sub>2</sub> Emission Reduction (per annum): 2,930 MT
- Coal Savings (per annum): 1,824 MT
- Water Evaporation Reduction (per annum): 70%
- Water Saved (per annum): 380 Lakh litres

This project contributes significantly to renewable energy generation, environmental sustainability, and resource conservation.

  
In-Charge  
Department Of Physics  
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## GREATER VISAKHAPATNAM SMART CITY CORPORATION LIMITED

### 2MW GRID INTERACTIVE FLOATING SOLAR POWER PLANT

2MW floating solar PV plant is installed on the Mudasarlova reservoir in Vishakapatnam. . The project was taken up in the year 2017 and commissioned in Aug' 2018.

The plant has spread over an area of 17,500 Sq.m (i.e, 4.4 Acres) with intermittent opening to allow exchange of gases and Sunlight.

Total 6250 Nos of poly-crystalline Solar panels are tilted at 15 deg towards southwards for effective utilization of solar light.

#### Project Statistics:-

- ❖ Capacity of the Plant:- 2MW
- ❖ Mode of Operation of PV System:- Floating
- ❖ Project was taken up in the year :-2017
- ❖ Plant commissioned in the year :- 2018
- ❖ Plant installation period :- 7 months
- ❖ Total cost of the plant is :- Rs 11.63 Cr
- ❖ Payback period in Years :-10
- ❖ Life of the plant in Years :- 25
- ❖ Area occupied :- 4.4 Acres/17,500 Sq.mtr
- ❖ Number of Solar panels used :- 6250 nos
- ❖ Solar Panels :- Poly-crystalline
- ❖ Solar panels are tilted at 15 deg towards Southwards
- ❖ Number of Floats used :- 3400 nos
- ❖ Per float withstand Capacity :- 350 Kg
- ❖ Floats material :- High Density Poly Ethylene
- ❖ Module Mounting Structure : Aluminium
- ❖ Inverters used :- Total two inverters 1 MW each
- ❖ Indoor HT Vaccum Circuit Breaker system
- ❖ Stepup Substation :- 440V/33kV
- ❖ Real time data tracking through SCADA System
- ❖ Integrate the data of SCADA system to COC

#### Project Outcomes:-

Total Generation from Sep'18 to Aug'24: 14,840 MWh (1,48,40,329 Kwh)

Average Annual Generation :- 2473 MWh (24,73,388 Kwh)

Total revenue: 9.07 Cr

Average Annual Electricity Bill Savings:- Rs 1.51 Cr

Co2 Emission reduction per Annum:- 2930 MT

Coal Saved per Annum:- 1824 MT

Water Evaporation Reduction Per Annum :- 70%

Water Saved per Annum:- 380 Lakh liters





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In addition to the Floating Solar Park, we will also visit a 1 MW land-based solar plant operated by the same agency. This plant utilises traditional ground-mounted solar panels to convert sunlight into electricity. With a capacity of 1 megawatt, it can generate enough power to supply electricity to several hundred homes. During the visit, students will learn about the installation, operation, and maintenance of land-based solar power systems. The plant provides valuable insights into solar energy production, grid integration, and the efficiency of solar panels when deployed on land, complementing the floating solar plant's technology.

After visiting the Floating Solar Park and the 1 MW land-based solar plant, we proceeded to Kailasagiri, one of the most famous tourist destinations in Visakhapatnam. Located on a hilltop, Kailasagiri offers stunning panoramic views of the city, the coastline, and the Bay of Bengal. Students had the opportunity to enjoy the scenic beauty, take photographs, and relax amidst the lush greenery and towering statues of Lord Shiva and Parvati.

On our return journey, we visited the serene Bhimili Beach. Known for its tranquil atmosphere and natural beauty, Bhimili is a perfect spot to unwind. Students enjoyed the beach's golden sands, the soothing sound of waves, and the cool breeze. It was a perfect end to the trip, combining both educational experiences and relaxation, making the day memorable for everyone. The visit to these locations provided a well-rounded exposure to both technological innovations and the region's natural beauty.

After completing the field trip, we gathered feedback from the students. Most appreciated the hands-on learning experience at the solar parks and found the visit to Kailasagiri and Bhimili Beach both educational and relaxing. Students expressed increased awareness of renewable energy and enjoyed the blend of technology and nature.

  
In - Charge  
Department Of Physics  
Government Degree College (MEN)  
SRIKAKULAM

# Visit Report

29th October 2024

**Location:** Floating Solar Plant, Mudasarilova, Visakhapatnam

On 29th October 2024, a group of students from Government Degree College for Men, Srikakulam visited our Floating Solar Power Plant to learn about solar energy technology. The group, comprising 56 students from the Physics department, was accompanied by faculty members.

The visit began with a briefing on the basic principles of solar energy and the unique aspects of floating solar technology. The students were then taken on a tour of the plant, where they observed the solar panel arrays, inverters, and monitoring systems in operation. Key topics covered included photovoltaic technology, environmental benefits, and the challenges of maintaining floating solar parks.

The students actively engaged with the engineers, asking insightful questions about solar efficiency, system maintenance, and integration with the grid. Feedback gathered from the students indicated a positive response, with many expressing that the visit helped them understand complex theoretical concepts in a practical context.

Overall, the visit was successful in enhancing the students' understanding of renewable energy and its applications, and we look forward to hosting similar educational programs in the future.







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### Photo Gallery







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## Photo Gallery



  
In - Charge  
Department Of Physics  
Government Degree College  
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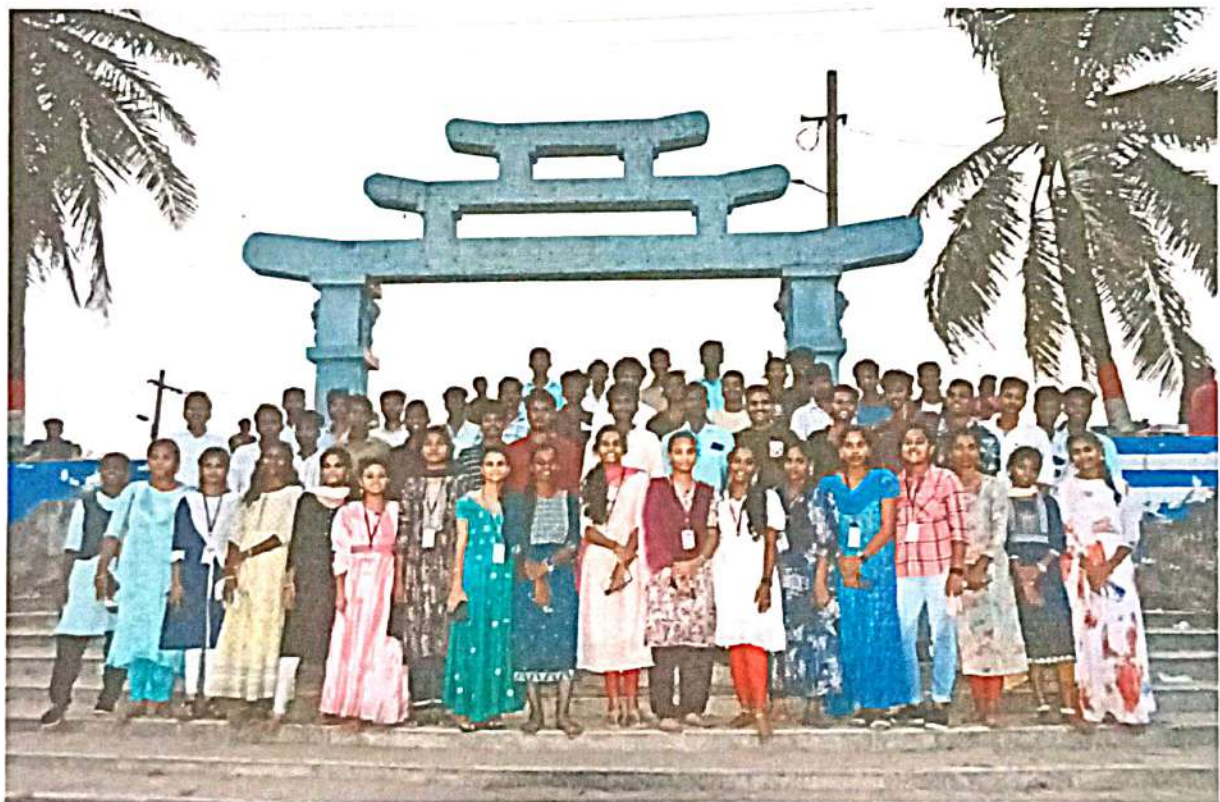


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## 1MW GRID INTERACTIVE GROUND MOUNTED SOLAR POWER PROJECT

Implemented by	: Greater Visakhapatnam Smart City Corporation Limited
Name of the contractor	: Novus Green Energy Systems Ltd., Hyderabad
PMC	: Aecom Asia Company Pvt. Ltd Visakhapatnam
Project Location	: Mudusarlova, Visakhapatnam
Synchronized with grid on	: 31.01.2020
Modules	: 680 No's of 345 Wp & 2560 Wp of 340 Wp Mono Crystalline.
Tracking System	: Automated Single Axis tracking System
Inverter	: 1000 Kw Grid tied central Inverter
Transformer	: 1250 KVA, 33KV/0.4KV
Transformer Evacuation level voltage	: 33KV
Annual Energy Generation	: 1987.4 Mwh/year
Area of PV Array on Ground	: 4.5 Acres.
CO <sub>2</sub> saved per year	: 847 Tons
Emission reduction	: 1694 Tons/Year
Payback period of the investment	: 5.5 Years



**GPS Map Camera**

Visakhapatnam, Andhra Pradesh, India  
141, Mudusarlova, Rama Krishna Puram, Visakhapatnam,  
Andhra Pradesh 530040, India  
Lat 17.765696° Long 83.290901°  
29/10/24 11:54 AM GMT +05:30

Google



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## Feedback Form

1. How would you rate your overall experience of the field trip?

- ☒ a) Excellent    b) Good    c) Average    d) Poor

2. What did you find most interesting during the visit to the Floating Solar Park?

- ☒ a) The technology used in solar panels    b) The environmental benefits  
c) The working mechanism of the floating system    d) None of the above

3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?

- ☒ a) Yes, definitely    b) Somewhat    c) Not really    d) Not at all

4. How clear were the explanations given by the guide during the solar plant visits?

- ☒ a) Very clear and informative  
b) Clear, but could be more detailed  
c) Somewhat clear, but confusing at times  
d) Not clear at all

5. Did you find the visit to Kailasagiri helpful for relaxation and enjoyment?

- ☒ a) Yes, it was very relaxing    b) Yes, but I expected more activities  
c) It was okay, but not very relaxing    d) No, I didn't enjoy the visit

6. How well did the field trip meet your expectations?

- ☒ a) Exceeded my expectations  
b) Met my expectations  
c) Fell short of my expectations  
d) Did not meet my expectations at all





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7. Do you think field trips like this are helpful for understanding theoretical concepts?

- a) ☒ Yes, they make learning more practical
- b) Somewhat, but more information could be included
- c) Not really, I prefer classroom learning
- d) Not at all, I didn't find it useful

8. How satisfied were you with the overall organisation of the trip?

- a) Very satisfied
- b) ☒ Satisfied
- c) Neutral
- d) Dissatisfied

9. Would you recommend participating in future field trips like this?

- a) ☒ Definitely
- b) Yes, if the topics are interesting
- c) Maybe, but I would like more information first
- d) No, I would prefer not to participate again

Name of the Student : L. Pavi Kumar Swamy

Group & Class : EU BSC MPC

Regd.No : 2222001052038

This trip is so good by learn visit directly,  
this field trip reaches more than my expectations.  
- L. Pavi Kumar Swamy





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- d) No, I would prefer not to participate again

Name of the Student : L. Ramesh

Group & Class : B.Sc [MPC]

Regd.No : 2202001052025

I learn and enjoyed alot in this field trip. very excitement  
in this field trip.

L. Ramesh





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- d) No, I would prefer not to participate again

Name of the Student : Metikoti . Gnaneshwara rao

Group & Class : III Bsc (MPC)

Regd.No : 2222001052030

This field trip teaches me a lot by visiting directly,  
and we enjoy my trip and we want more like this  
- M. Gnaneshwara Rao





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- ☒ a) Excellent    b) Good    c) Average    d) Poor

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- ☒ a) The technology used in solar panels    b) The environmental benefits  
c) The working mechanism of the floating system    d) None of the above

3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?

- ☒ a) Yes, definitely    b) Somewhat    c) Not really    d) Not at all

4. How clear were the explanations given by the guide during the solar plant visits?

- ☒ a) Very clear and informative  
b) Clear, but could be more detailed  
c) Somewhat clear, but confusing at times  
d) Not clear at all

5. Did you find the visit to Kailasagiri helpful for relaxation and enjoyment?

- ☒ a) Yes, it was very relaxing    b) Yes, but I expected more activities  
c) It was okay, but not very relaxing    d) No, I didn't enjoy the visit

6. How well did the field trip meet your expectations?

- ☒ a) Exceeded my expectations  
b) Met my expectations  
c) Fell short of my expectations  
d) Did not meet my expectations at all



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7. Do you think field trips like this are helpful for understanding theoretical concepts?

- ☒ a) Yes, they make learning more practical
- b) Somewhat, but more information could be included
- c) Not really, I prefer classroom learning
- d) Not at all, I didn't find it useful

8. How satisfied were you with the overall organisation of the trip?

- ☒ a) Very satisfied
- b) Satisfied
- c) Neutral
- d) Dissatisfied

9. Would you recommend participating in future field trips like this?

- ☒ a) Definitely
- b) Yes, if the topics are interesting
- c) Maybe, but I would like more information first
- d) No, I would prefer not to participate again

Name of the Student : Metikoti . Gnaneshwara rao

Group & Class : III BSc (MPC)

Regd.No : 2222001052030

This field trip teaches me a lot by visiting directly ,  
and we enjoy my trip and we want more like this  
- M. Gnaneshwara Rao





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## Feedback Form

1. How would you rate your overall experience of the field trip?

- ☒ a) Excellent    b) Good    c) Average    d) Poor

2. What did you find most interesting during the visit to the Floating Solar Park?

- a) The technology used in solar panels    b) The environmental benefits  
☒ c) The working mechanism of the floating system    d) None of the above

3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?

- ☒ a) Yes, definitely    b) Somewhat    c) Not really    d) Not at all

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c) It was okay, but not very relaxing    d) No, I didn't enjoy the visit

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7. Do you think field trips like this are helpful for understanding theoretical concepts?

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8. How satisfied were you with the overall organisation of the trip?

- ☒ a) Very satisfied
- b) Satisfied
- c) Neutral
- d) Dissatisfied

9. Would you recommend participating in future field trips like this?

- ☒ a) Definitely
- b) Yes, if the topics are interesting
- c) Maybe, but I would like more information first
- d) No, I would prefer not to participate again

Name of the Student : G. Mounika  
Group & Class : BSC [MPCS]  
Regd.No : 2222001050016

In this field trip more interesting facts of technology in solar cell. very excitement in this field trip  
G. Mounika





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## Feedback Form

1. How would you rate your overall experience of the field trip?

☒ a) Excellent    b) Good    c) Average    d) Poor

2. What did you find most interesting during the visit to the Floating Solar Park?

a) The technology used in solar panels    b) The environmental benefits

☒ c) The working mechanism of the floating system    d) None of the above

3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?

☒ a) Yes, definitely    b) Somewhat    c) Not really    d) Not at all

4. How clear were the explanations given by the guide during the solar plant visits?

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b) Yes, but I expected more activities

c) It was okay, but not very relaxing

d) No, I didn't enjoy the visit

6. How well did the field trip meet your expectations?

☒ a) Exceeded my expectations

b) Met my expectations

c) Fell short of my expectations

d) Did not meet my expectations at all



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7. Do you think field trips like this are helpful for understanding theoretical concepts?

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- c) Not really, I prefer classroom learning
- d) Not at all, I didn't find it useful

8. How satisfied were you with the overall organisation of the trip?

- ☒ a) Very satisfied
- b) Satisfied
- c) Neutral
- d) Dissatisfied

9. Would you recommend participating in future field trips like this?

- ☒ a) Definitely
- b) Yes, if the topics are interesting
- c) Maybe, but I would like more information first
- d) No, I would prefer not to participate again

Name of the Student : G. Lekhana

Group & Class : BSc [MPCs]

Regd.No : 2222001050014

I learnt and enjoyed a lot in field trip. The technology involved in solar cells are very excellent. We are expecting to conduct this field trips in future also. G. Lekhana





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## Feedback Form

1. How would you rate your overall experience of the field trip?  
a) ☒ Excellent    b) ☐ Good    c) ☐ Average    d) ☐ Poor
2. What did you find most interesting during the visit to the Floating Solar Park?  
a) ☒ The technology used in solar panels    b) ☐ The environmental benefits  
c) ☐ The working mechanism of the floating system    d) ☐ None of the above
3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?  
a) ☒ Yes, definitely    b) ☐ Somewhat    c) ☐ Not really    d) ☐ Not at all
4. How clear were the explanations given by the guide during the solar plant visits?  
a) ☒ Very clear and informative  
b) ☐ Clear, but could be more detailed  
c) ☐ Somewhat clear, but confusing at times  
d) ☐ Not clear at all
5. Did you find the visit to Kailasagiri helpful for relaxation and enjoyment?  
a) ☒ Yes, it was very relaxing    b) ☐ Yes, but I expected more activities  
c) ☐ It was okay, but not very relaxing    d) ☐ No, I didn't enjoy the visit
6. How well did the field trip meet your expectations?  
a) ☒ Exceeded my expectations  
b) ☐ Met my expectations  
c) ☐ Fell short of my expectations  
d) ☐ Did not meet my expectations at all



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7. Do you think field trips like this are helpful for understanding theoretical concepts?

- a) Yes, they make learning more practical ✓
- b) Somewhat, but more information could be included
- c) Not really, I prefer classroom learning
- d) Not at all, I didn't find it useful

8. How satisfied were you with the overall organisation of the trip?

- a) Very satisfied ✓
- b) Satisfied
- c) Neutral
- d) Dissatisfied

9. Would you recommend participating in future field trips like this?

- a) Definitely ✓
- b) Yes, if the topics are interesting
- c) Maybe, but I would like more information first
- d) No, I would prefer not to participate again

Name of the Student : G. Akhil  
Group & Class : B.S.C III Year  
Regd.No : 2222001052018

Akhil

in this trip we enjoy and learn a lot. we observe experiments in live we create a beautiful experience





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## Feedback Form

1. How would you rate your overall experience of the field trip?  
a) ☒ Excellent    b) ☐ Good    c) ☐ Average    d) ☐ Poor
2. What did you find most interesting during the visit to the Floating Solar Park?  
a) The technology ☒ used in solar panels    b) ☐ The environmental benefits  
c) ☐ The working mechanism of the floating system    d) ☐ None of the above
3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?  
a) Yes, ☒ definitely    b) ☐ Somewhat    c) ☐ Not really    d) ☐ Not at all
4. How clear were the explanations given by the guide during the solar plant visits?  
a) Very clear ☒ and informative  
b) ☐ Clear, but could be more detailed  
c) ☐ Somewhat clear, but confusing at times  
d) ☐ Not clear at all
5. Did you find the visit to Kailasagiri helpful for relaxation and enjoyment?  
a) Yes, it was ☒ very relaxing    b) ☐ Yes, but I expected more activities  
c) ☐ It was okay, but not very relaxing    d) ☐ No, I didn't enjoy the visit
6. How well did the field trip meet your expectations?  
a) ☐ Exceeded my expectations  
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7. Do you think field trips like this are helpful for understanding theoretical concepts?

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- d) Not at all, I didn't find it useful

8. How satisfied were you with the overall organisation of the trip?

- a) Very satisfied ✓
- b) Satisfied
- c) Neutral
- d) Dissatisfied

9. Would you recommend participating in future field trips like this?

- a) Definitely ✓
- b) Yes, if the topics are interesting
- c) Maybe, but I would like more information first
- d) No, I would prefer not to participate again

Name of the Student : Arangi. Sridevi

Group & Class : BSc (M.P.C) - III year

Regd.No : 2222001052006

In this field trip more interesting facts of technology in solar cell.  
Very excitement in this field trip.

A. Sridevi





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## Feedback Form

1. How would you rate your overall experience of the field trip?

- a) ☒ Excellent    b) ☐ Good    c) ☐ Average    d) ☐ Poor

2. What did you find most interesting during the visit to the Floating Solar Park?

- a) ☒ The technology used in solar panels    b) ☐ The environmental benefits  
c) ☐ The working mechanism of the floating system    d) ☐ None of the above

3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?

- a) ☒ Yes, definitely    b) ☐ Somewhat    c) ☐ Not really    d) ☐ Not at all

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7. Do you think field trips like this are helpful for understanding theoretical concepts?

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- b) Somewhat, but more information could be included
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8. How satisfied were you with the overall organisation of the trip?

- a) Very satisfied
- b) Satisfied
- c) Neutral
- d) Dissatisfied

9. Would you recommend participating in future field trips like this?

- a) Definitely
- b) Yes, if the topics are interesting
- c) Maybe, but I would like more information first
- d) No, I would prefer not to participate again

Name of the Student : Achanti Sameer

Group & Class : BSC(MPC) III year

Regd.No : 2222001052001

In this trip we enjoy and learn a lot. We observe experiments in live we create a beautiful experience.  
- A. Sameer





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Srikakulam - 532001, Andhra Pradesh, India

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## Feedback Form

1. How would you rate your overall experience of the field trip?

- a) Excellent ☒ b) Good c) Average d) Poor

2. What did you find most interesting during the visit to the Floating Solar Park?

- a) The technology used in solar panels b) The environmental benefits  
☒ c) The working mechanism of the floating system d) None of the above

3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?

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4. How clear were the explanations given by the guide during the solar plant visits?

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7. Do you think field trips like this are helpful for understanding theoretical concepts?

- ✓  
a) Yes, they make learning more practical  
b) Somewhat, but more information could be included  
c) Not really, I prefer classroom learning  
d) Not at all, I didn't find it useful

8. How satisfied were you with the overall organisation of the trip?

- ✓  
a) Very satisfied  
b) Satisfied  
c) Neutral  
d) Dissatisfied

9. Would you recommend participating in future field trips like this?

- a) Definitely  
✓  
b) Yes, if the topics are interesting  
c) Maybe, but I would like more information first  
d) No, I would prefer not to participate again

Name of the Student : B. Rame Rao.

Group & Class : MPC III

Regd.No : 2222001052008.

we learn more from field trip.

B. Rame Rao.





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## Feedback Form

1. How would you rate your overall experience of the field trip?

- a) Excellent ✓ b) Good c) Average d) Poor

2. What did you find most interesting during the visit to the Floating Solar Park?

- a) The technology used in solar panels b) The environmental benefits ✓  
c) The working mechanism of the floating system d) None of the above

3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?

- a) Yes, definitely ✓ b) Somewhat c) Not really d) Not at all

4. How clear were the explanations given by the guide during the solar plant visits?

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- a) Exceeded my expectations ✓  
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8. How satisfied were you with the overall organisation of the trip?

- a) Very satisfied ✓
- b) Satisfied
- c) Neutral
- d) Dissatisfied

9. Would you recommend participating in future field trips like this?

- a) Definitely ✓
- b) Yes, if the topics are interesting
- c) Maybe, but I would like more information first
- d) No, I would prefer not to participate again

Name of the Student : Prandya madhumohan

Group & Class : BSc (MPC) - III year

Regd.No : 2222001052047

Conduct field trip is more excitement  
S. madhu mohan.





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## Feedback Form

1. How would you rate your overall experience of the field trip?

- ☒ a) Excellent    b) Good    c) Average    d) Poor

2. What did you find most interesting during the visit to the Floating Solar Park?

- a) The technology used in solar panels    b) The environmental benefits  
☒ c) The working mechanism of the floating system    d) None of the above

3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?

- ☒ a) Yes, definitely    b) Somewhat    c) Not really    d) Not at all

4. How clear were the explanations given by the guide during the solar plant visits?

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b) Clear, but could be more detailed  
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- ☒ a) Yes, it was very relaxing    b) Yes, but I expected more activities  
c) It was okay, but not very relaxing    d) No, I didn't enjoy the visit

6. How well did the field trip meet your expectations?

- ☒ a) Exceeded my expectations  
b) Met my expectations  
c) Fell short of my expectations  
d) Did not meet my expectations at all



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7. Do you think field trips like this are helpful for understanding theoretical concepts?

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- ☐ c) Not really, I prefer classroom learning
- ☐ d) Not at all, I didn't find it useful

8. How satisfied were you with the overall organisation of the trip?

- ☒ a) Very satisfied
- ☐ b) Satisfied
- ☐ c) Neutral
- ☐ d) Dissatisfied

9. Would you recommend participating in future field trips like this?

- ☐ a) Definitely
- ☒ b) Yes, if the topics are interesting
- ☐ c) Maybe, but I would like more information first
- ☐ d) No, I would prefer not to participate again

Name of the Student : R. Sivakesava rao

Group & Class : 3rd BSC (MPC)

Regd.No : 2222001052039

Conduct the field trip every year

R. Sivakesava rao





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## Feedback Form

1. How would you rate your overall experience of the field trip?

- a) Excellent ✓ b) Good c) Average d) Poor

2. What did you find most interesting during the visit to the Floating Solar Park?

- a) The technology used ✓ in solar panels b) The environmental benefits  
c) The working mechanism of the floating system d) None of the above

3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?

- a) Yes, definitely ✓ b) Somewhat c) Not really d) Not at all

4. How clear were the explanations given by the guide during the solar plant visits?

- a) Very clear ✓ and informative  
b) Clear, but could be more detailed  
c) Somewhat clear, but confusing at times  
d) Not clear at all

5. Did you find the visit to Kailasagiri helpful for relaxation and enjoyment?

- a) Yes, it was ✓ very relaxing b) Yes, but I expected more activities  
c) It was okay, but not very relaxing d) No, I didn't enjoy the visit

6. How well did the field trip meet your expectations?

- a) Exceeded my expectations  
b) Met my ✓ expectations  
c) Fell short of my expectations  
d) Did not meet my expectations at all



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7. Do you think field trips like this are helpful for understanding theoretical concepts?

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- b) Somewhat, but more information could be included
- c) Not really, I prefer classroom learning
- d) Not at all, I didn't find it useful

8. How satisfied were you with the overall organisation of the trip?

- a) Very ☒ satisfied
- b) Satisfied
- c) Neutral
- d) Dissatisfied

9. Would you recommend participating in future field trips like this?

- a) ☒ Definitely
- b) Yes, if the topics are interesting
- c) Maybe, but I would like more information first
- d) No, I would prefer not to participate again

Name of the Student : S. Chandrakala

Group & Class : III BSC [MPES]

Regd.No : 2222001050043

*In the field trip more interesting facts of technology in robot car. Very excitement in this field-trip.  
S. Chandrakala.*





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## Feedback Form

1. How would you rate your overall experience of the field trip?

- ☒ a) Excellent    b) Good    c) Average    d) Poor

2. What did you find most interesting during the visit to the Floating Solar Park?

- ☒ a) The technology used in solar panels    ☒ b) The environmental benefits  
c) The working mechanism of the floating system    d) None of the above

3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?

- ☒ a) Yes, definitely    b) Somewhat    c) Not really    d) Not at all

4. How clear were the explanations given by the guide during the solar plant visits?

- ☒ a) Very clear and informative  
b) Clear, but could be more detailed  
c) Somewhat clear, but confusing at times  
d) Not clear at all

5. Did you find the visit to Kailasagiri helpful for relaxation and enjoyment?

- ☒ a) Yes, it was very relaxing    b) Yes, but I expected more activities  
c) It was okay, but not very relaxing    d) No, I didn't enjoy the visit

6. How well did the field trip meet your expectations?

- a) Exceeded my expectations  
☒ b) Met my expectations  
c) Fell short of my expectations  
d) Did not meet my expectations at all



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7. Do you think field trips like this are helpful for understanding theoretical concepts?

- ☒ a) Yes, they make learning more practical
- b) Somewhat, but more information could be included
- c) Not really, I prefer classroom learning
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8. How satisfied were you with the overall organisation of the trip?

- ☒ a) Very satisfied
- b) Satisfied
- c) Neutral
- d) Dissatisfied

9. Would you recommend participating in future field trips like this?

- ☒ a) Definitely
- b) Yes, if the topics are interesting
- c) Maybe, but I would like more information first
- d) No, I would prefer not to participate again

Name of the Student : D. Khageswara Rao

Group & Class : III BSC (MPC)

Regd.No : 2222 001052014

conduct The field Trip every year.

D. Khageswara Rao



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## Feedback Form

1. How would you rate your overall experience of the field trip?

- a) Excellent ☒ b) Good ☒ c) Average ☐ d) Poor ☐

2. What did you find most interesting during the visit to the Floating Solar Park?

- a) The technology used in solar panels ☐ b) The environmental benefits ☐  
☒ c) The working mechanism of the floating system ☐ d) None of the above ☐

3. Did the visit to the 1 MW land-based solar plant help you understand solar power better?

- ☒ a) Yes, definitely ☐ b) Somewhat ☐ c) Not really ☐ d) Not at all ☐

4. How clear were the explanations given by the guide during the solar plant visits?

- a) Very clear and informative ☐  
☒ b) Clear, but could be more detailed ☐  
c) Somewhat clear, but confusing at times ☐  
d) Not clear at all ☐

5. Did you find the visit to Kailasagiri helpful for relaxation and enjoyment?

- ☒ a) Yes, it was very relaxing ☐ b) Yes, but I expected more activities ☐  
c) It was okay, but not very relaxing ☐ d) No, I didn't enjoy the visit ☐

6. How well did the field trip meet your expectations?

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9. Would you recommend participating in future field trips like this?

☒ a) Definitely

b) Yes, if the topics are interesting

c) Maybe, but I would like more information first

d) No, I would prefer not to participate again

Name of the Student : P. Ravi

Group & Class : III BSc(mpc)

Regd.No : 2222001052035

"Conduct this field trips very year" once.

P. Ravi



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## Feedback Form

1. How would you rate your overall experience of the field trip?

- ☒ a) Excellent    b) Good    c) Average    d) Poor

2. What did you find most interesting during the visit to the Floating Solar Park?

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c) The working mechanism of the floating system    d) None of the above

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c) Maybe, but I would like more information first

d) No, I would prefer not to participate again

Name of the Student : Gudivada . Nagamani

Group & Class : III BSc (MPC)

Regd.No : 2222001052017

I learnt and enjoyed alot in Field trip, the technology involved solar cells.

G. Nagamani





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## Feedback Form

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- c) Maybe, but I would like more information first
- d) No, I would prefer not to participate again

Name of the Student : Ponnana Vijay Kumar

Group & Class : III BSc (MPC)

Regd.No : 2222001052036

We require more field trips like this

P. Vijaykumar



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## Feedback Form

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- c) Neutral
- d) Dissatisfied

9. Would you recommend participating in future field trips like this?

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- b) Yes, if the topics are interesting
- c) Maybe, but I would like more information first
- d) No, I would prefer not to participate again

Name of the Student : Badapu. Ravindra

Group & Class : II<sup>nd</sup> BSc physics.

Regd.No : 23220010927001

*B. Ravindra*



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## Feedback Form

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Name of the Student : Peddini. Eswaramma  
Group & Class : 2<sup>nd</sup> BSc physics.  
Regd.No : 23220010927010.





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## Feedback Form

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Name of the Student : Tembusu. Lavanya

Group & Class : II<sup>nd</sup> BSc physics

Regd.No : 23220010927012



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## Feedback Form

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Name of the Student :

Ch. Sampi

Group & Class :

2<sup>nd</sup> BSc Physics

Regd.No :

23220010927004

Ch. Sampi