

PITHAPUR RAJAH'S GOVERNMENT COLLEGE(A), KAKINADA

DEPARTMENT OF BOTANY

FIELD VISIT REPORT ON TISSUE

CULTURE LAB AND ANDHRA UNIVERSITY

PLACE: Pic Gene lab, M. UP Colony, Visakhapatnam , Andhra university
College of Science & Technology.

DATE: 06-04-2023 (1day)

Department of Botany Conducted 1 day field trip to Vishakapatnam with a faculty members to visit the Mic Gene laboratories, MVP Colony, Vishakapatnam.

TISSUE CULTURE LAB VIST:

At the morning we all visted the tissue culture lab. Their we were participated and gained knowledge regarding Tissue culture techniques. The technicians of Mic Gene laboratories Explained about various techniques used to develop tissue culture. They also demonstrated the equipments used in tissue culture and inoculation techniques and preparation of explant to us .They gave us a chance for practising those techniques. This will help us for regarding hands practice of a Culturing technique. on They also explained about various equipment instruments in their laboratories.

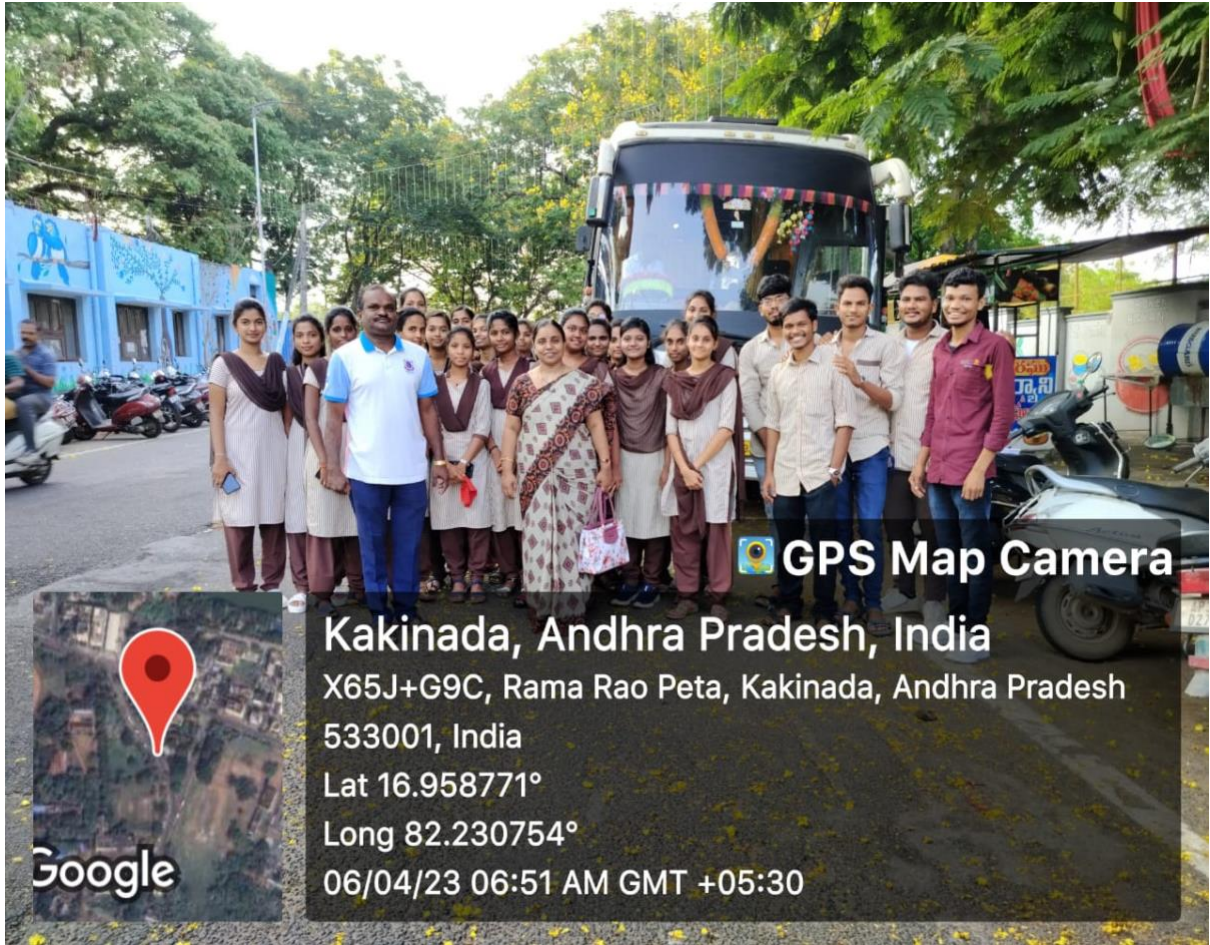
UNIVERSITY VIST:


After the laboratory visit we went to visit Department of Botany , Botanical garden & Museum in the Andhra university.

There, we gained some knowledge abroad about rare plants. We all observed the preserved specimens in the museum and Some faculty members of A-U explained about the Herbarium Collection and

preservation. Many Gymnosperms fossils were also observed in the museum. And those faculty member explained about the different types of plants present in the botanical garden. We all gained to Some knowledge in this trip.





 **GPS Map Camera**

Kakinada, Andhra Pradesh, India

X65J+G9C, Rama Rao Peta, Kakinada, Andhra Pradesh

533001, India

Lat 16.958771°

Long 82.230754°

06/04/23 06:51 AM GMT +05:30



P.R.GOVERNMENT COLLEGE(A), KAINADA

DEPARTMENT OF BOTANY

ACTIVITY REPORT ON

GEO TAGGING

DATE :- 30-12-2022

Department of Botany organised an activity regarding GEO TAGGING to the trees in the campus of P.R.Government college(A), kakinada on 30-12-2022.

THEME:-

The main aim of the activity was to label all the plants particularly trees in the college campus with their scientific name, common name (in telugu) and family related to that particular tree along with the GEO TAG.

The main moto of providing this GEO TAG is to provide information about the plants to each and everyone as they can get the information by scanning the QR code through their mobile phones. Plants like Pongamia pinnata, Peltophorum pterocarpum, Jatropa gossypifolia etc., were provided with GEO TAG


This information includes the entire description of the plant like its morphological characters, the distribution of the plant, medicinal properties and the exact location of the plant in the campus, related pictures of the plant.

The principal of the college Dr.B.V.Tirupanyam sir, the faculty members of Botany department, and students were participated in this programme.

PHOTOGRAPHS DURING THE LABELLING OF PLANTS





 GPS Map Camera



Kakinada, Andhra Pradesh, India
X64H+XR4, Rama Rao Peta, Kakinada,
Andhra Pradesh 533001, India
Lat 16.957764°
Long 82.229458°
30/12/22 09:32 AM GMT +05:30

PITHAPUR RAJAH'S GOVERNMENT COLLEGE(A), KAKINADA

DEPARTMENT OF BOTANY

ACTIVITY REPORT ON

**OPENING OF TISSUE CULTURE AND MUSHROOM CULTIVATION
LABORATORIES**

Date:- 20-02-2023

Tissue Culture and mushroom cultivation laboratories were opened in the Department of BOTANY on 20-02-2023 by the Principal of PITHAPUR RAJAH'S GOVERNMENT COLLEGE (A) KAKINADA, Dr.B.V.Thirupanyam sir.

Tissue culture and mushroom cultivation were included in the V semester of the curriculum.Hence these two laboratories were established for hands on practice by the students

Aim:-

- The aim of opening a tissue culture laboratory is to facilitate the controlled growth and propagation of cells, tissues, and organs under sterile conditions by the students
- The aim of opening mushroom cultivation laboratories is to support and promote the controlled and efficient cultivation of mushrooms by the students

Objectives:-

TISSUE CULTURE LABORATORY OBJECTIVES:

Academic Excellence: To provide students with hands-on experience in tissue culture techniques, enhancing their understanding of cell biology, genetics, and biotechnology.

Research and Innovation: To facilitate research activities related to tissue culture, encouraging students and faculty to explore new methods and applications in fields like agriculture, medicine, and biotechnology.

Conservation: To contribute to the conservation of endangered plant species by preserving their genetic diversity and enabling their propagation in a controlled environment.

MUSHROOM CULTIVATION LABORATORY OBJECTIVES:

Agricultural Education: To educate students about mushroom cultivation techniques, providing practical knowledge on a sustainable and profitable agricultural practice.

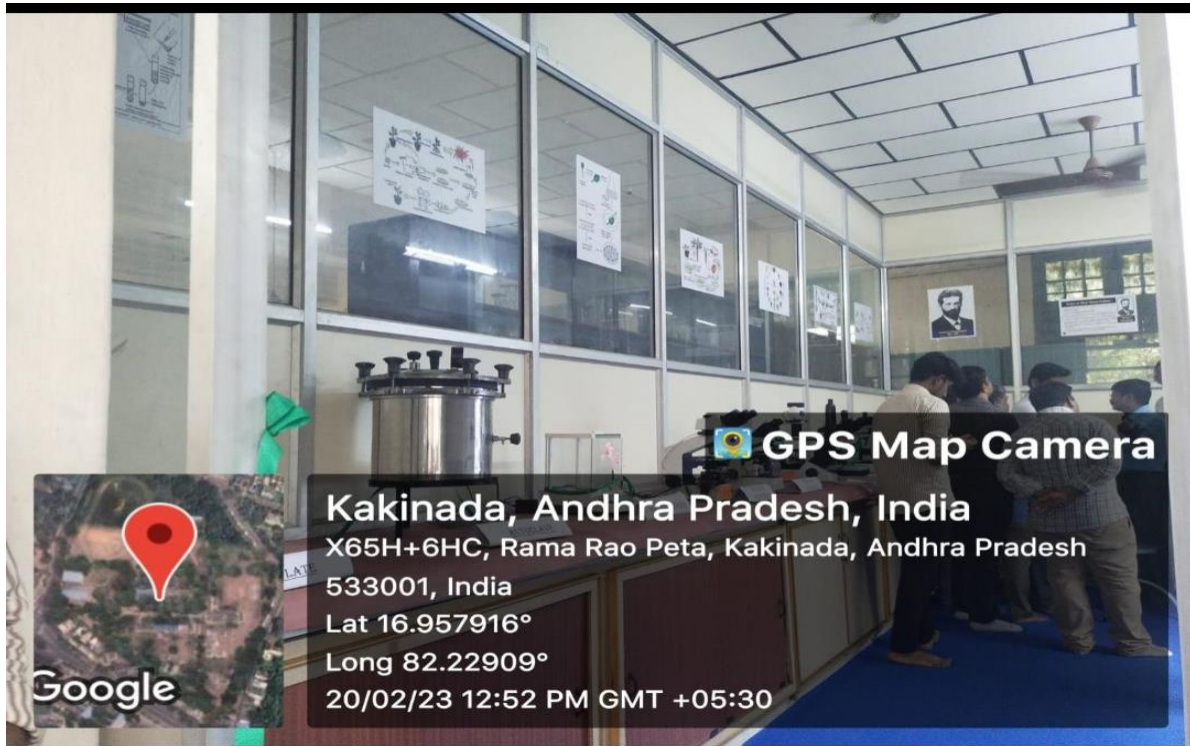
Entrepreneurship Development: To encourage entrepreneurship by training students and local community members in mushroom farming, potentially leading to small-scale agribusinesses.

Research and Development: To support research on mushroom biology, strain development, and innovative cultivation methods, contributing to advancements in mycology.

Economic Empowerment: To create income-generating opportunities for students and the community through the sale of cultivated mushrooms and mushroom-based products.



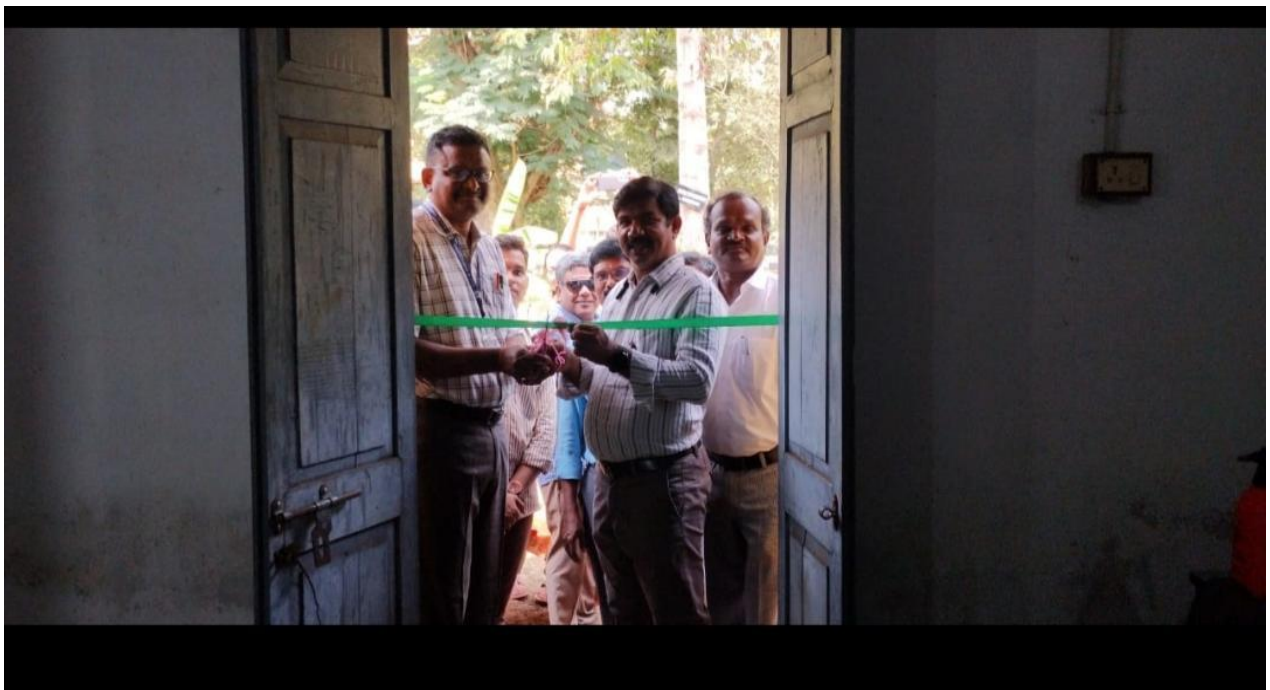
Photograph during the opening of Tissue culture laboratory



Photograph of tissue culture laboratory



photograph during the opening of mushroom cultivation lab







Photograph during the preparation of beds for mushroom cultivation



PITHAPUR RAJAH'S GOVERNMENT COLLEGE(A), KAKINADA

DEPARTMENT OF BOTANY

ACTIVITY REPORT ON

NATIONAL SCIENCE DAY – 2023

THEME :- GLOBAL SCIENCE FOR GLOBAL WELL BEING

DATE:-28-02-2023

On the occasion of National Science Day, February 28th, 2023 the department of Botany organized the celebrations and conducted competitions regarding poster presentation, science projects and exhibits. Many of the students actively participated in this programme and got prizes. Poster presentations like Medicinal plants, Bioluminescence, Renewable and non renewable energy, exhibits like Photosynthesis, Mushroom cultivation,. Solar irrigation, Industries waste. Water management, Bamboo flower vases, Natural medicinal soaps etc...were exhibited in the laboratory of Botany department. The students from various schools and colleges visited the department and gained knowledge regarding the poster presentations and exhibits.

Dr.Vatsavya Satyanarayan Raju Rtd Professor, Plant Systematic laboratory, Department of Botany, Kakatiya University, Warangal is the chief guest of the programme and validated the presentations of the students.

Objectives:

- To encourage students by conducting several competitions
- To bring awareness about importance of science now a days.
- To exhibit the knowledge of the students and sharing their ideas with others
- To recognize and appreciate all scientific activities, efforts, and achievements.
- To promote and nourish interest in science and technology.
- To encourage young people to learn more about science



Hydroponics exhibit



Bamboo flower vases



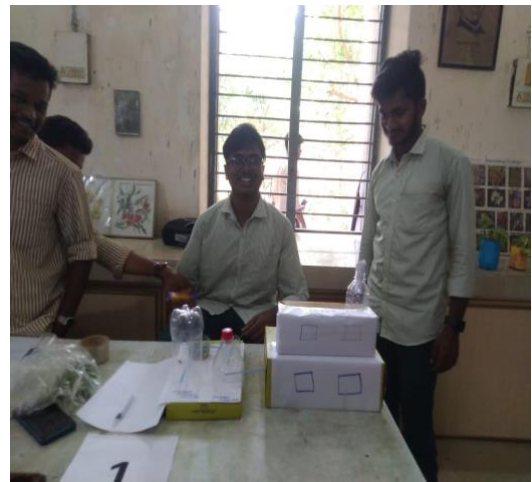
Waste water management



Mushroom cultivation



Natural medicinal soaps



Industrial waste management



Secondary metabolites in plants



poster presentation on bioluminescence



Chief guest valuating the presentations of students



Mc Laurin School Students visited the department and observed all the exhibits



Department of botany



VALEDICTORY

PITHAPUR RAJAH'S GOVERNMENT COLLEGE(A), KAKINADA

DEPARTMENT OF BOTANY

FIELD VISIT REPORT ON TISSUE

CULTURE LAB AND ANDHRA UNIVERSITY

PLACE: Pic Gene lab, M. UP Colony, Visakhapatnam , Andhra university
College of Science & Technology.

DATE: 06-04-2023 (1day)

Department of Botany Conducted 1 day field trip to Vishakapatnam with a faculty members to visit the Mic Gene laboratories, MVP Colony, Vishakapatnam.

TISSUE CULTURE LAB VIST:

At the morning we all visted the tissue culture lab. Their we were participated and gained knowledge regarding Tissue culture techniques. The technicians of Mic Gene laboratories Explained about various techniques used to develop tissue culture. They also demonstrated the equipments used in tissue culture and inoculation techniques and preparation of explant to us .They gave us a chance for practising those techniques. This will help us for regarding hands practice of a Culturing technique. on They also explained about various equipment instruments in their laboratories.

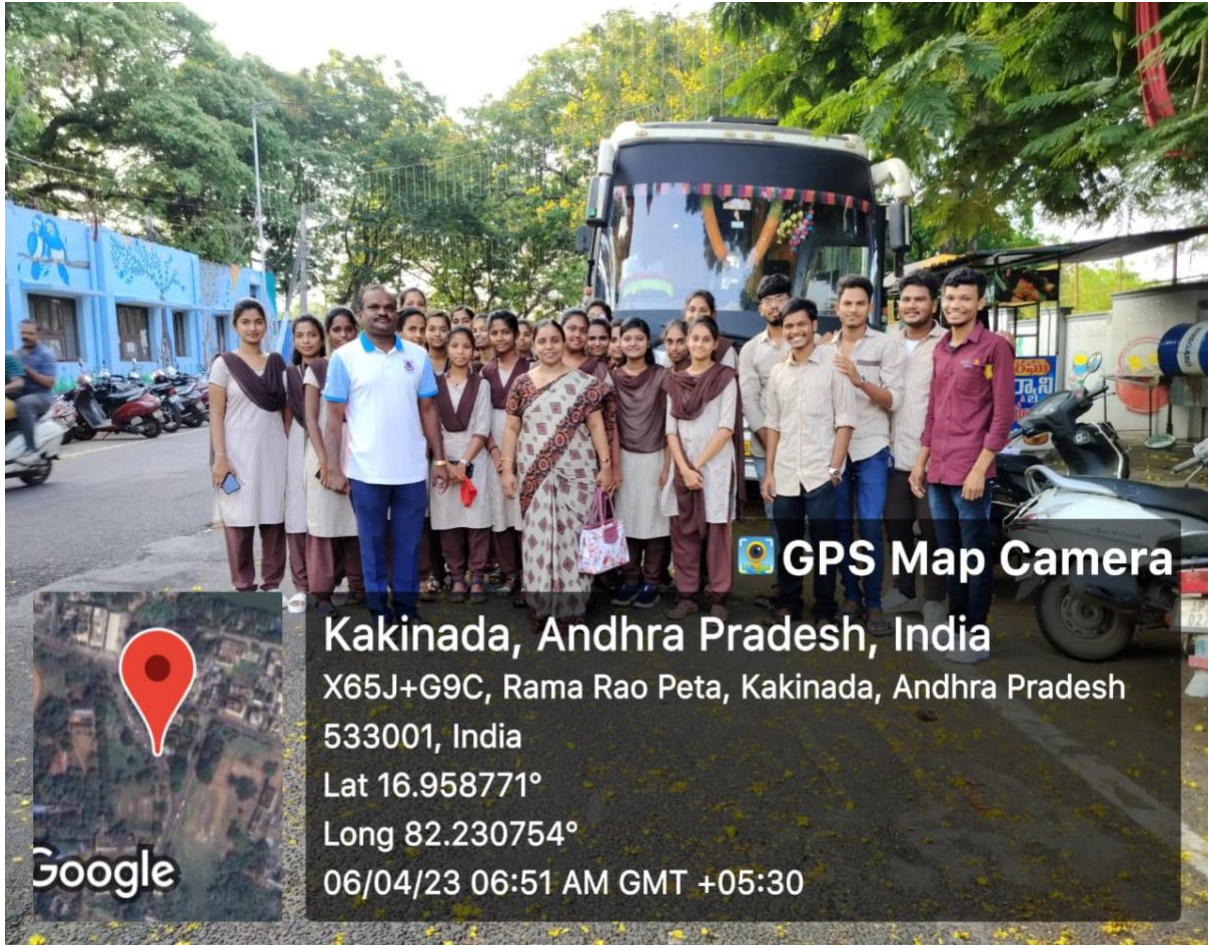
UNIVERSITY VIST:


After the laboratory visit we went to visit Department of Botany , Botanical garden & Museum in the Andhra university.

There, we gained some knowledge abroad about rare plants. We all observed the preserved specimens in the museum and Some faculty members of A-U explained about the Herbarium Collection and

preservation. Many Gymnosperms fossils were also observed in the museum. And those faculty member explained about the different types of plants present in the botanical garden. We all gained to Some knowledge in this trip.





 **GPS Map Camera**

Kakinada, Andhra Pradesh, India

X65J+G9C, Rama Rao Peta, Kakinada, Andhra Pradesh

533001, India

Lat 16.958771°

Long 82.230754°

06/04/23 06:51 AM GMT +05:30



Google

PITHAPUR RAJAH'S GOVERNMENT COLLEGE(A), KAKINADA

DEPARTMENT OF BOTANY

ACTIVITY REPORT ON WORLD ENVIRONMENT DAY

Theme:-Beat plastic pollution

Date:- 05- 06-2023

Department of BOTANY celebrated world environment day on 05-06-2023. In this regard faculty members of the department, students participated in campus cleaning programme and collected the plastic waste and other waste materials in the college campus and disposed them in a proper manner. Measures to maintain the neatness of the campus has been taken on this occasion.

Aim:-

The aim of celebrating World Environment Day is to raise global awareness and encourage action for the protection and preservation of our environment. It serves as a platform to promote environmental sustainability, advocate for urgent environmental issues, and inspire individuals, communities, and governments to take positive steps towards a cleaner, healthier planet.



PLASTIC FREE CAMPUS

Rs. 500/- Penalty

**DEPT. OF ENVIRONMENT,
WATER CONSERVATION, ENERGY EFFICIENCY
& SANITATION**



PITHAPUR RAJAH'S GOVERNMENT COLLEGE

(An outcome based Autonomous Institution Re-accredited at Grade 'A' by NAAC)

KAKINADA - 533 001, ANDHRA PRADESH

E-mail : kakinada.jkc@gmail.com Website : www.prgc.edu.in



Photograph during the collection of plastic waste in the campus





Photograph during the disposal of plastic waste