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15.04.2024

From.

Dr. Radha Dayanidhi HOD (LIGH Department of Biotechnology & Genetics MSRCASC, MSRIT Post, MSR nagar Bengahmu-560054

To.

The Principal MSRCASC. MSRIT Post, MSR nagar Bengaluru-560054

Registrar of Academics Respected Madam,

Subject: Request to grant permission to conduct Extension activity.

With reference to the above cited subject, Department of Biotechnology and Genetics is planning to organize an Extension activity for Undergraduate Life science students on 20.04.2024. The activity aims to provide hands on training in Organic farming, Preparation of Biofertilizers and Biopesticides which enhance their knowledge. The undergraduate students (50/147) of III Sem BSe will be taken on April, 20, 2024 to Gandhian School of Natural Farming, Tumkuru, Karnataka. In this regard we request you to grant permission and provide us the transportation facility with the capacity of 50 people. Please do the needful.

Thanking you,

Sincerely,

Dr. Radha Dayanidhi

Head-Department Biotechnology and Genetics

MSRCASC

Suly # 16/4/2024

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EVENT BROCHURE





M S RAMAIAN COLLEGE OF ARTS, SCIENCE AND COMMERCE MISRIE POST, MISR Right, Bergalant 180014, Be-steredited "A" grade by NAAC

Extension Activity

Organized by

Department of

Biotechnology and Genetics



"Organic farming, Biofertilizers and Biopesticides"

Date: May 4, 18, Nov 15, 2024

Venue: Gandhian School of Natural Farming, Tumakuru

About the Extension activity:

The programme aims to give an insight on organic farming to undergraduate life science students. Organic farming is a holistic production management system that promotes and enhances agroecosystem health, including biodiversity, biological cycles, and soil biological activity. Organic farming uses environmentally friendly methods of weed, pest, and disease control. It mainly rely upon crop biofertilizers biopesticides which greatly reduces the environmental pollution.

Objectives:

- To provide hands on training in Organic farming
- Preparation of Biofertilizers
- Preparation of Biopesticides





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RESOURCE PERSONS

Dr. Manjunath & Mr. Ravish Gandhian School of Natural Farming, Tumakuru

PATRONS

Dr MR Jayaram

Hon'ble Chairman, GEF
Sri. M R Janakiram
Hon'ble, Director, GEF
Sri. M R Kodandaram
Hon'ble Director, GEF
Sri. B S Ramaprasad
Chief Executive, GEF (Engg & GS)
Sri. G Ramachandra

Chief of Finance, GEF (Engg & GS) ADVISORY COMMITTEE

Dr. Vatsala G

Principal, MSRCASO

Dr. Anandappa Iramukhadavar

Registrar, Academics

Prof. Suresh J

Dep Registrar, Admin & Evaluation

Prof. Jayaram 8 S

Vice Pringwall MASDEAS

Prof. Pushpa H

Vice Principal, MSRCASC

CONVENORS

Dr. Vinutha M Assistant Professor Dr. Sathish Babu H.N

Assistant Professor Dr. Radha Dayanidhi

Head of the Department (UG)

Dr. Vijayalakshmi TN Assistant Professor

ORGANIZING COMMITTEE

Dr. Lakshmikanth, R.N Professor and Head (PG) Dr. Jayashree, DR, Professor

Dr. Ramakrishnaiah, TN Assistant Professor

Dr. Sowbhagyn, R.

Assistant Professor

Dr. Geetika Pant.

Dr. Geetika Pant,

Assistant Professor

Dr. Rashmi Nagesh.

Assistant Professor

Mrs. Beaulah Angel.

Assistant Professor

Dr. Pavithra Kumari H.G.

Assistant Professor

Dr. Muktha H., Assistant Professor

Dr. Pramod Desai.

Assistant Professor

STUDENT VOLUNTEERS:

Hastha D TV sem B Sc Rekha L IV sem B.Sc IV sem B.Sc Niharika S N Swapna S IV sem B.Sc Nischal B IV sem B.Sc Priyadarshini M IV sem B.Sc Laya N IV sem B.Sc Manasa V IV sem B.Sc Hanumesha IV sem B.Sc Tejaswini S IV sem B.Sc Shiny Roberta IV sem B Sc Tanva C IV sem B.Sc Hiranmai M IV sem B.Sc Nikitha A IV sem B.Sc Ajay N IV sem B.Sc Daisy D IV sem B.Sc Mahee P IV sem B.Sc Lalith K IV sem B.Sc



ALL ARE CORDIALLY INVITED





DEPARTMENT OF BIOTECHNOLOGY AND GENETICS

Report on Extension Activity - Visit to Organic Farm for IV & V Sem Students

Introduction

The Department of Biotechnology & Genetics of M S Ramaiah College of Arts, Science and College on May 4th, 18th and Nov 16th organized an educational visit to Gandhian School of Natural Farming at Dodda Hosuru, Tumakuru for the students of IV & V Semester respectively. The visit aimed to provide students with first-hand experience in organic farming practices, enhance their understanding of sustainable agriculture, and promote awareness of environmental conservation.

Objectives

- To educate students on the principles and practices of organic farming.
- · To understand the benefits of organic farming for health and the environment.
- To introduce biofertilizers and biopesticides.
- To observe the day-to-day operations of an organic farm.
- To encourage interest in sustainable agriculture and environmental stewardship.

Participants

- Students: 120 in 3 batches
- · Accompanying Teachers: Dr Radha, Dr Vinutha, Mrs Angel & Dr Sathish Babu
- Farm Guide: Dr Manjunath & Mr Ravish

Itinerary

- 1. **Departure**: The group departed from college at 7:30 AM.
- Arrival at the Farm: Arrival at 9:15 AM.
- Introduction Session: Briefing by the farm guide on the history and mission of the farm.
- Farm Tour: Guided tour of the farm, including visits to different sections such as fruit orchards, and livestock areas.
- Educational Workshop: A session on the principles of organic farming and sustainable practices.
- Q&A Session: Students had the opportunity to ask questions and engage in discussions.
- Food: Breakfast & Desi lunch provided by the farm.
- Conclusion and Feedback: Summary of the day's learnings and feedback from students.
- Departure: The group departed the farm at 4:00 PM and arrived back at college by 6:30 PM.





Activities and Learnings

1. Introduction to Organic Farming

- The farm guide explained the principles of organic farming, emphasizing the avoidance of synthetic fertilizers and pesticides.
- Discussion on the benefits of organic food for human health and the environment.

2. Farm Tour

- Students observed various crops being grown organically, including fruits, and herbs.
- They learned about cover crops, crop rotation, companion planting, and natural pest control methods.
- The tour included a visit to the composting area, where organic waste is recycled into nutrient-rich soil.

3. Educational Workshop

- The workshop covered topics such as sustainable water management, renewable energy use on the farm, and the importance of maintaining soil health.
- Students were introduced to the concept of non-violence and its application in organic farming.
- Damsharas game was played in which the words were selected relating to the environment issues, ecological issues & organic farm vocabulary.
- Democracy game was played in which students elected their leaders. Leaders formed the cabinet and elected Prime Minister. Cabinet ministers presented the policies of the Government which was presented to the students and the policies were debated. This game gave an insight into the government's work.

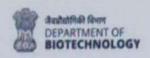
4. Q&A Session

- o Students asked questions about the challenges and rewards of organic farming.
- The farm guide shared insights into market trends, consumer demand for organic produce, and the economic viability of organic farming.

Benefits and Impact

- Enhanced Knowledge: Students gained a deeper understanding of organic farming practices and their benefits.
- Hands-on Experience: Practical activities helped students appreciate the effort involved in sustainable farming.
- Environmental Awareness: The visit highlighted the importance of environmental conservation and sustainable living.
- Interest in Agriculture: Several students expressed increased interest in pursuing studies or careers in agriculture and environmental science.





Feedback

- Students: Many students found the visit inspiring and educational. They appreciated
 the opportunity to see organic farming in action.
- Teachers: Accompanying teachers noted the visit's positive impact on students' engagement and interest in environmental topics.
- Farm Staff: The farm staff were impressed by the students' enthusiasm and curiosity.

Action plan

Each students declared individually what action they are going to take to save planet
 Earth.

Conclusion

The visit to Gandhian School of Natural Farming at Dodda Hosuru, Tumakuru.was a successful and enriching extension activity. It provided students with valuable insights into organic farming and sustainable agriculture, fostering a greater appreciation for environmental stewardship. The hands-on experience and educational sessions were particularly effective in enhancing students' understanding and interest in organic farming.

Recommendations

- Follow-Up Activities: Organize follow-up activities do project work related to organic farming and guest lectures from organic farmers.
- Integration into Curriculum: Incorporate learnings from the visit into relevant subjects such as biology, environmental science, and geography.
- Future Visits: Plan similar visits to other sustainable farms or environmental conservation sites to continue fostering students' interest and knowledge in sustainable practices.





Photos of the event



Dr Manjunath explaining about farm



Dr Manjunath class on farming - for B sec students



A section students attending sessions



A section students attending sessions



B section students attending sessions



B section students attending sessions



C section students playing Dumb charades



C section students attending sessions

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Group photo of A Section Students



Group photo of B Section Students





Group photo of C Section Students



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ATTENDANCE SHEET - 18/05/24 - B Sec



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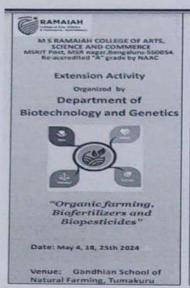
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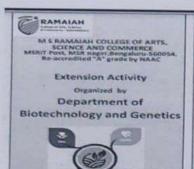
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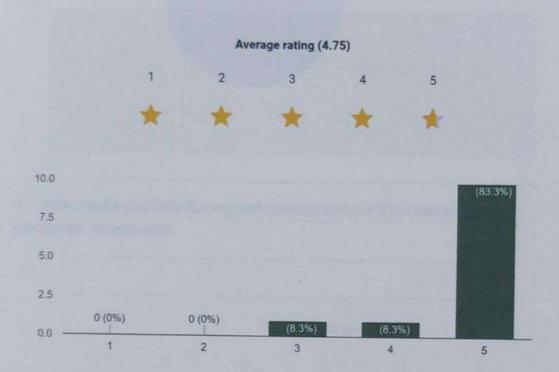
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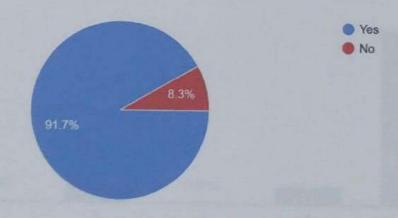


Feedback

1. How would you rate the relevance of this Extension Activity to your academic/professional/holistic needs?



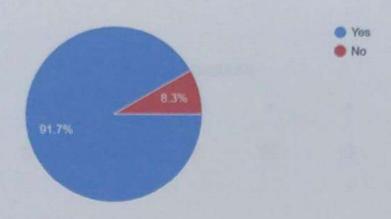
2. Did the program meet your expectations?



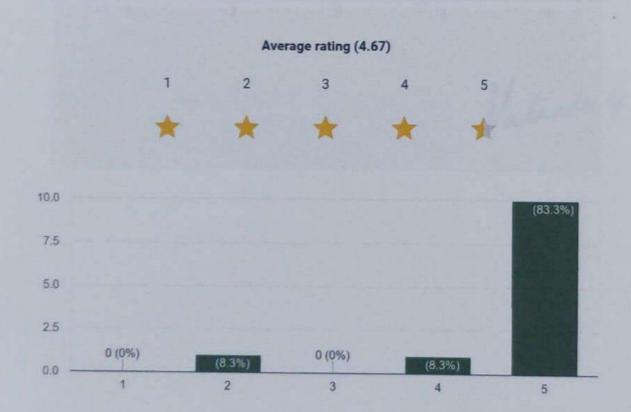




3. Were the topics covered in sufficient detail?



4. How would you rate the expertise and clarity of the resource person Dr. Manjunath?







9. How satisfied are you with your overall experience of this VAP?



10. Please feel free to share any other comments or feedback

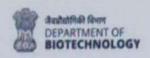
I prefer living sustainably and knowing what I consume as food in the future. It was a very calming and lively way of acquiring knowledge about farming. I loved the experience.

Thank you for organizing this . Everything was well organized and mentored, more informative and interactive activities by college would help students build intrest.

Could spend more time for better understanding and more leaning. May be a overnight stay would allo us to see more and learn more.

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Feedback

- Students: Many students found the visit inspiring and educational. They appreciated
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- Teachers: Accompanying teachers noted the visit's positive impact on students' engagement and interest in environmental topics.
- Farm Staff: The farm staff were impressed by the students' enthusiasm and curiosity.

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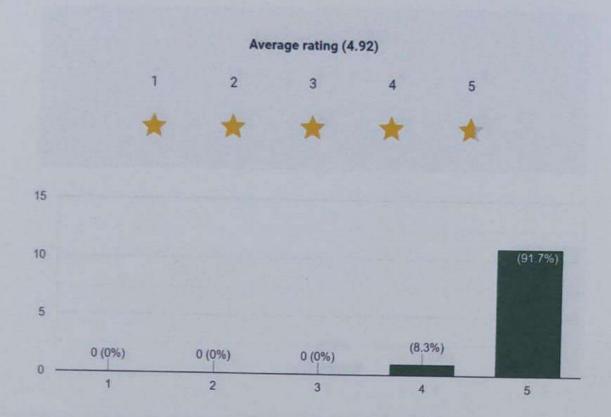
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- Follow-Up Activities: Organize follow-up activities do project work related to organic farming and guest lectures from organic farmers.
- Integration into Curriculum: Incorporate learnings from the visit into relevant subjects such as biology, environmental science, and geography.
- Future Visits: Plan similar visits to other sustainable farms or environmental conservation sites to continue fostering students' interest and knowledge in sustainable practices.

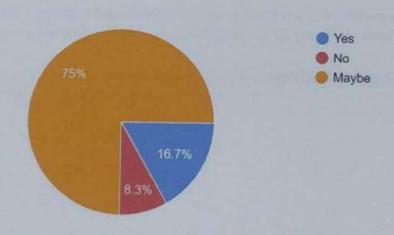




7. Rate the facilities (transportation, seating, food) adequate for the visit?



8. Would you like to pursue a career in agricultural sector?







9. How satisfied are you with your overall experience of this VAP?



10. Please feel free to share any other comments or feedback

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