

## **ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

(Unit of Alva's Education Foundation (R), Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi. Recognized by Government of Karnataka.

**A+, Accredited by NAAC & NBA (ECE & CSE)**

Shobhayana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka

Ph: 08258-262725; Mob:722262724,7026262725;mail:principalaiet08@gmail

## **DEPARTMENT OF AGRICULTURE ENGINEERING**

ACTIVITY REPORT 2022-23



# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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## Annexure

## Department of Agriculture Engineering

### Workshop Report on Jackfruit Processing and Preservation Methods

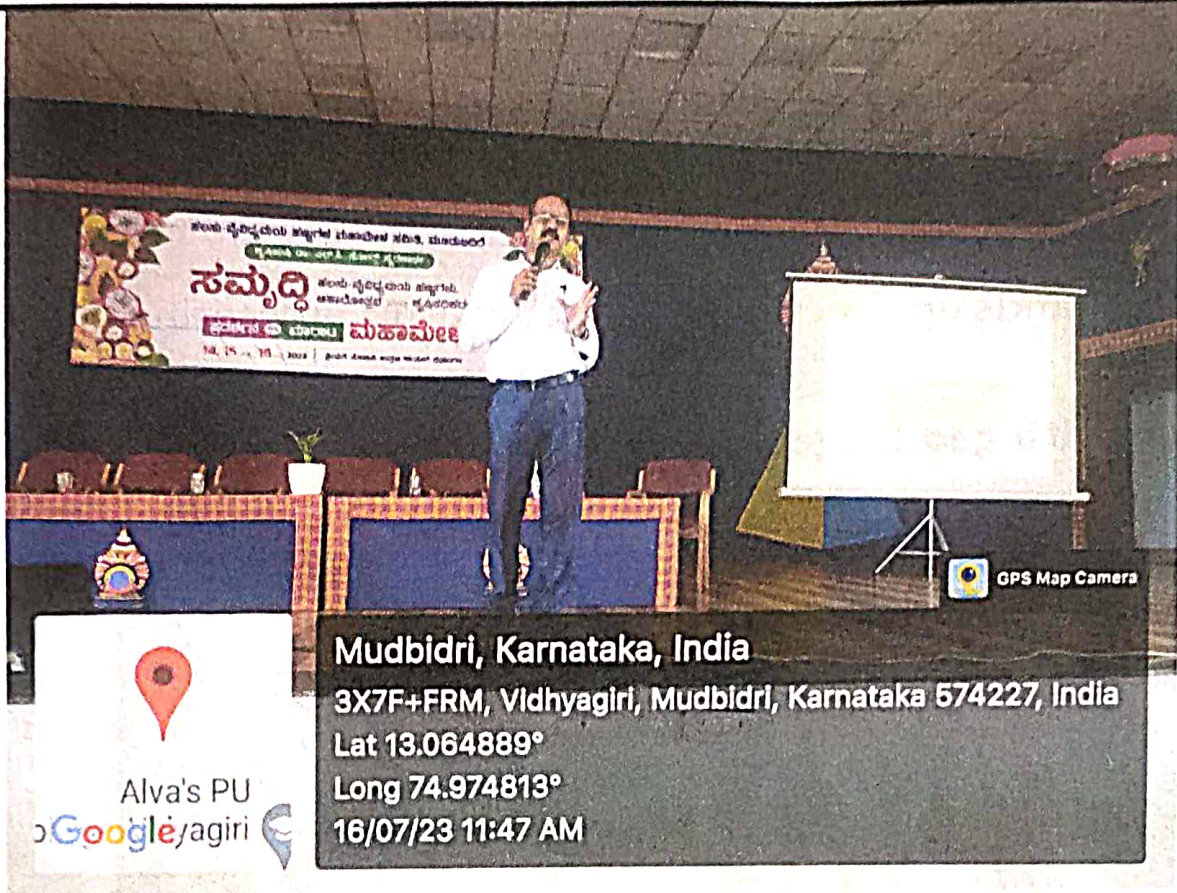
#### Objectives

To get a hands on experience about jackfruit processing and value addition

#### Report with geo tagged photos

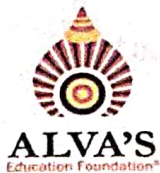








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## Outcome of the event

Mr. Shivanna and Mrs. Suma Rangappa were welcomed and introduced by the Head, Department of Agriculture Engineering. Later the technical session was started by the resource persons. The first day of workshop had two session the one which was held in the morning by Dr Shivanna sir and later the other in the afternoon by Mrs Suma rangappa.

Here is a brief report about the workshop commenced dated on 15<sup>th</sup> July 2023.

- He made a presentation regarding the value added products of jack fruit.
- The session started by explaining about the origin of jackfruit.
- The jackfruit (*Artocarpus heterophyllus*) is believed to have originated in the rainforests of the Western Ghats of India. It is native to the Indian subcontinent and is also found in other countries in Southeast Asia, including Bangladesh, Sri Lanka, Malaysia. From its place of origin, jackfruit has been spread to various tropical and subtropical regions around the world. It is now cultivated in many countries in Asia, Africa, the Americas, and the Caribbean.
- Jackfruit is known for its large size, unique flavor, and versatility in culinary applications. It has gained popularity as a meat substitute in vegetarian and vegan dishes due to its texture and ability to absorb flavors.
- Jackfruit is well-suited to the country's tropical climate and grows abundantly in various regions, making it a profitable commercial crop.
- Vinamit, a giant industry makes chips from 20 different fruits. JF is the main Vinamit's dried fruit chips are popular both locally in Vietnam and internationally, as they offer a convenient and healthy snack option.
- In addition to jackfruit, they process and produce chips from many other fruits like mango, banana, pineapple, dragon fruit, and more.
- Sir continued to tell about the pankruti belt of India. Where he said us Panruti, a town located in the Cuddalore district of Tamil Nadu, India, is often referred to as the "Jackfruit Paradise of India."



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- 
- The town is renowned for its extensive cultivation of jackfruit and is a significant hub for the fruit's production and trade.
  - The town's economy is significantly influenced by jackfruit cultivation and related industries, including processing, trading, and the creation of various jackfruit-based products.
  - In addition to being a local delicacy, jackfruit also plays a crucial role in supporting the livelihoods of farmers and providing income opportunities for the local community.
  - The fruit's popularity has extended beyond India, with jackfruit becoming increasingly recognized as a sustainable and nutritious food source on a global scale.
  - Sir continued to emphasize on the importance and why thinning of jackfruit is done When a jackfruit tree sets a large number of fruit, they compete for limited resources such as water, nutrients, and energy from the tree.
  - If the tree bears too many fruits, they may end up being small, underdeveloped, and of lower quality.
  - Thinning helps alleviate this problem by reducing the fruit load, allowing the remaining fruits to receive more nutrients and energy from the tree.
  - The process of thinning is typically carried out by hand, where the excess young fruits are selectively removed, leaving an optimal distance between the remaining fruits.
  - This practice enables the tree to allocate more resources to the remaining fruits, resulting in larger and better-quality jackfruits.
  - Second session of the day was commenced at 12 noon led by Mrs Suma rangappa who had gained a versatile knowledge about the bakery products production and the optimum and right way of usage of vegetables and fruits available in the particular region in order to have a healthy lifestyle.



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- The session started with boosting students about the importance of using fruits and vegetable in our daily food habits by quoating "the only thing we look upto is food and clothing" which was apt.
- She made the session interesting by involving each student wherein they got to learn more about cooking using jackfruit as our main ingredient. She guiuded the students about how to prepare jackfruit smoothy, milkshake, pizza and burger in the entire session.
- Third session was commenced on 16/7/2023 at 10 am led by Mr. Pradeep Dsouza who had gained a vast knowledge on jackfruit and its processing.
- He highlighted about importance of jackfruit, verities across India, scope for becoming future entrepreneur in jackfruit processing.
- Later he narrated a conclusion like this, Jackfruit had indeed gained popularity as a versatile and plant-based ingredient used in various dishes like pizza, burgers, sandwiches, and smoothies. Its fibrous and meaty texture made it a sought-after meat substitute for vegetarian and vegan recipes, and it offered a unique flavor profile to these dishes. However, it's essential to remember that culinary trends and practices can evolve rapidly, and the popularity or usage of certain ingredients can change over time.

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## **Annexure – Original copy of**

- **Permission/Request Letter - Principal/ IQAC Chairman**
- **Letter/mail correspondence with resource person –**
  - Request and Acceptance letter/mail
- **Students/faculty attendance details with signature**
- **Registration details**
- **Brochure**
- **if any**





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## Department of Agricultural Engineering

To

Date -08/07/2023

IQAC Chairman

AIET, Mijar

Respected Sir

Sub: Requesting to permit for organizing a two days workshop-reg.

We are happy to inform you that Department of Agricultural Engineering organizing a two days workshop on "Jackfruit Processing and Preservation Methods". The details are mentioned below, kindly request you do the needful.

### Resource person details

Name: Mr. Shivanna

Designation: Jackfruit value added products trainer

Organization details: Sakarayanapatna, Chikkamagaluru

Name: Mrs. Suma Rangappa

Designation: Fruit and vegetables value added products trainer

Organization details: Koppa .

Name: Mr. Pradeep D'soja

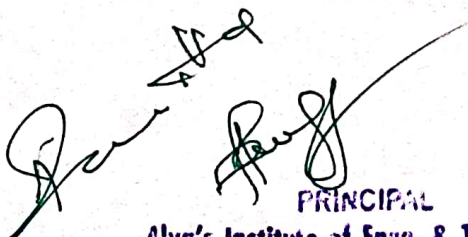
Designation: Senior Assistant Horticulture Director

Organization details: Bantwala

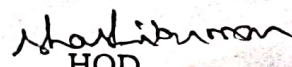
Venue: K Amarnath Shetty, Assembly Hall, Vidyagiri, Moodbidri

Date/month/year: 15/07/2023 to 16/7/2023

Timings: 10 AM to 5:00 PM

  
PRINCIPAL

Alva's Institute of Engg. & Technology,  
Mijar. MOODBIDRI - 574 225, D.K

  
HOD  
H.O.D.

Dept. of Agricultural Engineering  
Alva's Institute of Engg. & Technology  
Mijar, Moodubidire - 574225



---

**Invitation to attend the workshop as a resource person-reg.**

---

Alvas Institute Of Engineering & Technology Agriculture Dept <aietag08@aiet.org.in>

Wed, July 6, 2023 at 2:19 PM

To: shivannasakrepatna@gmail.com

We are happy to inform you that Department of Agriculture Engineering is organizing a two days workshop on "Jack fruit processing and preservation methods" on 15/7/2023 to 16/7/2023 at 10 am to 5 pm in K Amarnath Shetty, Assembly hall, Vidyagiri, Moodbidri. Hence, we request you to be a resource person for this event. Kindly send your response in a positive way and share your knowledge to our students.

**Thanks & Regards**

**Dr. Shashikumar**

**Associate Professor & Head**

**Department of Agricultural Engineering**

**ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY**

**Mijar, Moodabidre**

**Contact Number: 9113019074/9535912527**





Alvas Institute Of Engineering & Technology Agriculture Dept <aietag08@aiet.org.in>

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## Invitation to attend the workshop as a resource person-reg.

---

Shivanna Sakrepatna <shivannasakrepatna@gmail.com>

Wed, July 7, 2023 at 9:50 PM

To: Alvas Institute Of Engineering & Technology Agriculture Dept <aietag08@aiet.org.in>

Dear sir,  
I will attend the workshop as a resource person-reg.

With warm regards  
Shivanna.

[Quoted text hidden]





---

**Invitation to attend the workshop as a resource person-reg.**

---

Alvas Institute Of Engineering & Technology Agriculture Dept <aietag08@aiet.org.in>

Wed, July 6, 2023 at 2:17 PM

To: "jpdadhmng@gmail.com" <jpdadhmng@gmail.com>

We are happy to inform you that Department of Agriculture Engineering is organizing a two days workshop on "Jack fruit processing and preservation methods" on 15/7/2023 to 16/7/2023 at 10 am to 5 pm in K Amarnath Shetty, Assembly hall, Vidyagiri, Moodbidri. Hence, we request you to be a resource person for this event. Kindly send your response in a positive way and share your knowledge to our students.

Thanks & Regards

**Dr. Shashikumar**

**Associate Professor & Head**

**Department of Agricultural Engineering**

**ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY**

**Mijar, Moodabidre**

**Contact Number: 9113019074/9535912527**



Alvas Institute Of Engineering & Technology Agriculture Dept <aietag08@aiet.org.in>

---

**Invitation to attend the workshop as a resource person-reg.**

---

Joe pradeep <jpdadhmn@gmail.com>

Thu, July 8, 2023 at 8:49 AM

To: Alvas Institute Of Engineering & Technology Agriculture Dept <aietag08@aiet.org.in>

Ok. Kindly do the projector arrangements. Share the topic assigned

[Quoted text hidden]





Alvas Institute Of Engineering & Technology Agriculture Dept <aietag08@aiet.org.in>

---

**Invitation to attend the workshop as a resource person-reg.**

---

Alvas Institute Of Engineering & Technology Agriculture Dept <aietag08@aiet.org.in>  
To: Suma Rangappa <sumarangappa2@gmail.com>

Wed, July 6, 2023 at 2:22 PM

We are happy to inform you that Department of Agriculture Engineering is organizing a two days workshop on "Jack fruit processing and preservation methods" on 15/7/2023 to 16/7/2023 at 10 am to 5 pm in K Amarnath Shetty, Assembly hall, Vidyagiri, Moodbidri. Hence, we request you to be a resource person for this event. Kindly send your response in a positive way and share your knowledge to our students.

**Thanks & Regards**

**Dr. Shashikumar**

**Associate Professor & Head**

**Department of Agricultural Engineering**

**ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY**

**Mijar, Moodabidre**

**Contact Number: 9113019074/9535912527**



Alvas Institute Of Engineering & Technology Agriculture Dept <aietag08@aiet.org.in>

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## Invitation to attend the workshop as a resource person-reg.

---

Suma Rangappa <sumarangappa2@gmail.com>

Wed, July 7, 2023 at 2:24 PM

To: Alvas Institute Of Engineering & Technology Agriculture Dept <aietag08@aiet.org.in>

I will attend.

[Quoted text hidden]



# INVITATION

**DEPARTMENT OF AGRICULTURAL ENGINEERING**

**TWO DAY'S WORKSHOP  
ON**

**"JACKFRUIT PROCESSING AND PRESERVATION METHODS"**



## RESOURCE PERSONS:

**MR. PRADEEP D SOUZA**  
**ASSISTANT HORTICULTURE DIRECTOR, BANTWALA**  
**MR. SHIVANNA**  
**JACKFRUIT VALUE ADDED PRODUCT TRAINER,**  
**SAKARAYANAPATNA**  
**MRS. SUMA RANGAPPA**  
**AND VEGETABLES VALUE ADDED TRAINER, KOPPA**

## VENUE :

**K AMARNATH SHEETY, ASSEMBLY HALL ,  
VIDYAGIRI , MOODUBIDRE**

## DATE AND TIME:

**15/07/2023 AND 16/07/2023  
10:00AM TO 05:00 PM**

## PRESIDED BY :

**CHAIRMAN: DR. M. MOHAN ALVA**  
**MANAGING TRUSTEE: MR. VIVEK ALVA**  
**PRINCIPAL : DR. PETER FERNANDES**  
**H.O.D : DR. SHASHIKUMAR**





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A UNIT OF ALVA'S EDUCATION FOUNDATION ®  
AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
BELAGAVI APPROVED BY AICTE, NEW DELHI  
SHOBHAVANA CAMPUS, MIJAR, MOODBIDRI (ACCREDITED BY  
NAAC WITH A+ GRADE)

## DEPARTMENT OF AGRICULTURAL ENGINEERING



**PRESENT 2 DAYS WORKSHIP  
ON**

## **"JACK FRUIT PROCESSING & PRESERVATION METHODS"**

### RESOURCE PERSONS:

**MR. SHIVANNA**, JACK FRUITS VALUE ADDED PRODUCT TRAINER, SAKARAYANAPATNA  
**MR. PRADEEP D'SOJA**, SENIOR ASSISTANT HORTICULTURE DIRECTOR, BANTWALA  
**MRS. SUMA RANGAPPA**, FRUIT AND VEGETABLE VALUE ADDED PRODUCT TRAINER, KOPPA

**15-07-2023, SATURDAY, 10.00AM TO 11.30AM**

**TOPIC : FRUITS AND VEGETABLES VALUE ADDED PRODUCT TRAINING**  
**RESOURCE PERSON : MRS. SUMA RANGAPPA**

**15-07-2023, SATURDAY, 11.45AM TO 01.15AM**

**TOPIC : JACK FRUIT VALUE ADDED PRODUCT TRAINING**  
**RESOURCE PERSON : MR. SHIVANNA**

**16-07-2023, SUNDAY, 10.00AM TO 11.30AM**

**TOPIC : INTERACTION WITH STUDENTS AND FARMERS**  
**RESOURCE PERSON : MR. PRADEEP D'SOJA**

**VENUE: K AMARANATH SHETTY, ASSEMBLY HALL, VIDYAGIRI, MOODBIDRI**

**DATE: 15/07/2023 TO 16/07/2023**

**PRESIDED BY : CHAIRMAN : DR.M MOHAN ALVA | MANAGING TRUSTEE: MR VIVEK ALVA**  
**PRINCIPAL : DR. PETER FERNANDES | DEPARTMENT HEAD : DR. SHASHIKUMAR**  
**CO-ORDINATOR : MR. DEEPAK KOLAKE**





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## Report of July

### Internal Quality Assurance Cell (IQAC) Department of Agriculture Engineering Workshop Conducted - Students Academic Year 2022 - 22

Sl.No	Title of the workshop	Resource person Details	Date	No. of days
1	Jackfruit Processing and Preservation Methods	Name: Mr. Shivanna Designation: trainer Company/Organisation: jack fruit value added products trainer Place: Sakarayapatna Mobile/phone: 9481409660 Name: Mrs. Suma Rangappa Designation: trainer Company/Organisation: fruit and vegetable value added products trainer Place: Koppa Mobile/phone: 8374510222 Name: Mr. Pradeep D'Souza Designation: Senior assistant horticulture director Company/Organisation: horticulture department, Place: Bantawala Mobile/phone: 9448206393	15/7/2023 to 16/7/2023	2

Coordinator

HOD

IQAC Coordinator

Chairman  
PRINCIPAL

Dept. of Agriculture Engineering  
Alva's Institute of Engineering & Technology  
Mijar, D.K.  
574225

Alva's Institute of Engg. & Technology,  
Moodbidri - 574 225, D.K.









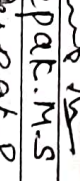
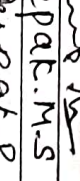




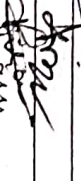
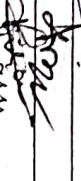
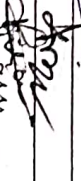

## Department of Agriculture Engineering

### Workshop Conducted - Students

Academic Year 2022 - 23

#### Registration format

Student's details -

Sl.No	USN.	Student Name	Semester	Signature
1	4AL21AG001	A BHOOMIKA REDDY	IV	
2	4AL21AG002	ABHISHEK K S	IV	
3	4AL21AG003	AJITH MALI PATIL	IV	
4	4AL21AG004	AMARNATH I	IV	
5	4AL21AG005	ANANYA K	IV	
6	4AL21AG006	CHAITRA	IV	
7	4AL21AG007	CHANDAN B M	IV	
8	4AL21AG009	CHEETHAN P	IV	
9	4AL21AG010	DEEPAK M S	IV	
10	4AL21AG011	DEEPAK R	IV	
11	4AL21AG012	H P Y SACHIN	IV	
12	4AL21AG013	HAHEEL NIYAZ	IV	
13	4AL21AG014	JEEVAN KUMAR H N	IV	
14	4AL21AG015	K A PREKSHA	IV	
15	4AL21AG016	KEERTHAN ALVA	IV	
16	4AL21AG017	KEERTHANA M RAM	IV	
17	4AL21AG018	KIRAN V	IV	
18	4AL21AG019	MANASI ANILRAO PAPPALÉ	IV	





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19	4AL21AG020	MANSOOR P E	IV	
20	4AL21AG021	MONISHA S	IV	
21	4AL21AG022	NAGASHREE N	IV	
22	4AL21AG023	NAVYA K	IV	
23	4AL21AG024	POORNACHANDRA	IV	
24	4AL21AG025	PRANEETH	IV	
25	4AL21AG026	REGAN AIDON SALDANHA	IV	
26	4AL21AG027	SAHANA M GOWDA	IV	
27	4AL21AG028	SANTHOSH M	IV	
28	4AL21AG029	SAWAN SHETTY	IV	
29	4AL21AG030	SHREEHARSHA K S	IV	
30	4AL21AG031	SNEHA M	IV	
31	4AL21AG032	SUSHA S SHETTY	IV	
32	4AL21AG033	SUTHEEJ	IV	
33	4AL21AG034	TARUN K	IV	
34	4AL21AG035	TEJASKUMAR	IV	
35	4AL21AG036	USAMA MEHABOBSAB KOPPAL	IV	

Total No. of students participated -

Coordinator

HOD

H.O.D.

IQAC Coordinator

IQAC Chairman

PRINCIPAL

Dept. of Agricultural Engineering  
Alva's Institute of Engg & Technology  
Mijar, Moodbidri - 574225

Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225, D.K.

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 Mob: 722262724, 7026262725, mail: principalaiet08@gmail.com

## Department of Agricultural Engineering

### Feedback Form - Workshop

Name of the student: **H P Y Sachin**

Student USN **4AL21AG012**

Semester: **4<sup>th</sup>**

Date of Workshop: **16/7/23**


Name of the Workshop: **Jackfruit processing and preservation methods**

#### Directions:

For each item please indicate your level of satisfaction by ticking the following statement by choosing a score between 1 and 5.

[Excellent - 5, Very Good - 4, Good - 4, Average - 2, Below Average - 1]

Sl. No.	Statement	5	4	3	2	1
1.	The Workshop was technology oriented		✓			
2.	The Workshop was applicable to my future needs	✓				
3.	The Workshop was enhanced your skills	✓				
4.	The program was well planned within the allotted time		✓			
5.	The resource person was a well experienced and knowledgeable in his profession	✓				
6.	The material was presented in an organized manner	✓				
7.	Would you interested in attending such Workshop in future		✓			
8.	Any suggestions for improvement : <b>Good Experience.</b>					

  
 Signature of the student