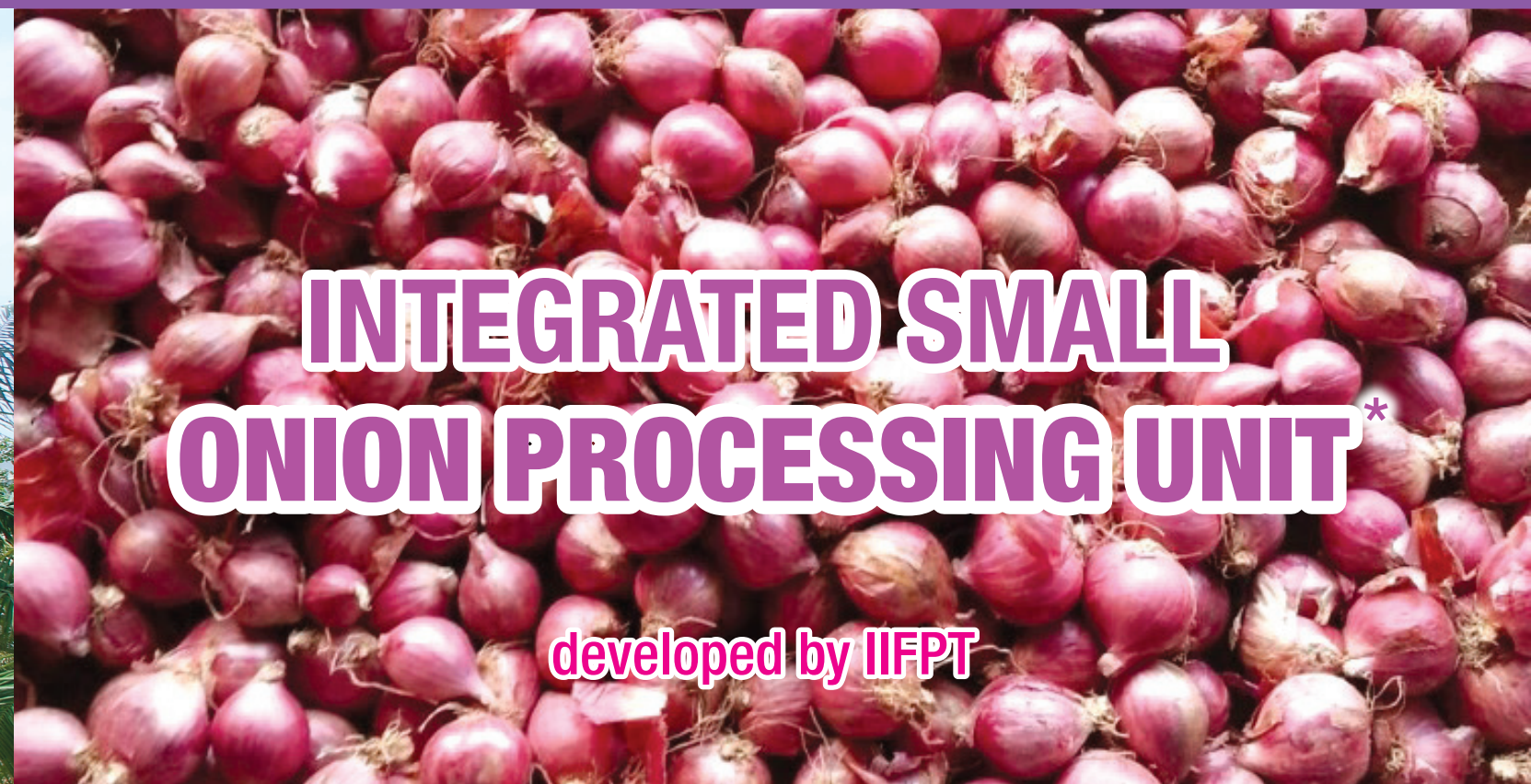




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INDIAN INSTITUTE OF FOOD PROCESSING TECHNOLOGY
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INTEGRATED SMALL ONION PROCESSING UNIT*

developed by IIFPT

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*Technology ready for transfer and commercialisation

Integrated small onion processing unit

- IIFPT developed completely automated processing line for post-harvest processing of small onions.
- Regular farmer will get on an average Rs.10,000/- per hectare as profit from small onion cultivation. Through mission onion program the farmer's income can be increased to Rs.32,000 – 40000/- per hectare.



IIFPT is awarded with AICTE-Saansad Adarsh Gram Yojana (SAGY) awards 2018 for providing innovative solution to Double the Farmers Income through Mission Onion Programme

Products

Onion Powder



Shelf life: 6 months

Energy	CHO	Protein	Fat	Fibre
333.78 kcal	73.66%	8.21%	0.7%	6.12%

Onion Paste



Shelf life: 5 months

Energy	CHO	Protein	Fat	Fibre
55.10 kcal	11.80%	1.75%	0.10%	1.51%

Vaccum Packed Onions



Shelf life: 1 month (under refrigeration)

Energy	CHO	Protein	Fat	Fibre
54.72 kcal	12.24%	1.18%	0.10%	1.7%

Dehydrated Onion Flakes



Shelf life: 6 months

Energy	CHO	Protein	Fat	Fibre
326.84 kcal	73.06%	7.30%	0.60%	6.8%

Processing technologies



Onion Stem Cutter

Capacity	200 kg per hour
Operating Cost	₹ 70 per hour; ₹ 0.35 per kg
Total Energy	0.75 kW



Onion Peeler

Capacity	75 kg per hour
Operating Cost	₹ 85 per hour; ₹ 1.50 per kg
Total Energy	4 kW



Integrated Onion Processing Unit*

*Patent filed



Solar Assisted Curing Unit

Capacity	600 kg
Total Energy	150 W

Benefits of Value Addition

- Reduction of storage losses
- Ease of handling
- Shelf life extension
- Increase in income generation
- Wider market coverage for local farmers

Technology implementation

- Established incubation centre for small onion processing in Perambalur District, Tamil Nadu the largest small onion-producing district in the state.
- Technology ready for commercialization.