



Learn Beyond

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

Avinashi Road, Arasur, Coimbatore.

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CH027**NBA Accredited**
(CSE, ECE, EEE,
MECH, CIVIL)**FOOD PROCESSING AND PRESERVATION**

Event No	CH027
Organizing Department	Chemical Engineering
Associate Dept. NSC	Industry Institute Partnership Cell
Date	17/04/2023 to 29/04/2023 (13 Days)
Time	02:30 PM to 04:20 PM
Event Type	VAC / Training Program
Event Level	Dept. Level
Venue	CH II
Total Participants	35
Faculty - Internal	1
Students - Internal	33
Other Participants	1

Related SDG



Resource Persons

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Sindhu S	Assistant Professor	PSG College of Arts and Science, Coimbatore	sindhufsn@gmail.com	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Bharathi Ganesan R	Coordinator

Outcome

Students enjoyed the jam/squash preparation session, demo of preparation of flavored milk and millet pasta. Students are eager to establish stalls in KPRIET and supply healthy food with superb taste to venture as entrepreneurs

Event Summary

The classes for value added course "Food Processing and Preservation" started on 17 Apr 2023 and ended on 29 Apr 2023 as per the schedule. On Day 1, Dr. Sindhu covered Chemistry of Foods on topics like functions of food for energy, body building and psychological effects. Then the constituents of food namely carbohydrates, protein, lipids and fats were elaborated. On Day 2, importance of food preservation was dealt by Dr. Thamarai Selvi. Prevention of microbial decomposition, self decomposition and mechanical damages were discussed by highlighting the role of microbes, enzymes and insects / rodents in the above activities.

On Day 3, temperature based food preservation techniques such as pasteurization, sterilization, canning and irradiation were handled. On Day 4, Er. Sreelakshmi illustrated various mechanical operations involved in food processing such as cleaning, blanching and mixing. Further the engineering properties of food viz. mechanical, thermal, rheological and aero dynamic were individually explained. On Day 5, Ms. Jincy A discussed microbiology of foods through discussion on bacteria, fungi, lichens, algae and ways to avoid them for preservation. Spoilage of milk, fish, poultry and their products were also elaborated.

On the final day, safety standards were discussed after a brief introduction about the PSG Food Processing Centre by Dr. Radhai Sri, Head, Department of Food Processing Technology. Then students were explained about the various equipment present in pre-processing, processing and packing bays. The utilities section of chiller, steam and reverse osmosis were also shown. The students by themselves pasteurized flavoured milk and individually packed them into recyclable bottles. In the afternoon, students by made jam, squash and ready to serve drinks by themselves in the food processing technology lab. This motivated them a lot and students were excited to undergo further training and undertake entrepreneurship in food area.

Training Certificates have also been provided to the students and coordinators by PSG Food Processing Centre, PSGCAS. The course ended successfully. The feedback have been collected and result analysis prepared.


Department of Chemical Engineering



Value Added Course
FOOD PROCESSING AND PRESERVATION

by Department of Food Processing Technology
PSG College of Arts and Science
Coimbatore 14

17 Apr 2023 02:30 - 04:20 PM
19 Apr 2023 02:30 - 04:20 PM
24 Apr 2023 02:30 - 04:20 PM
26 Apr 2023 02:30 - 04:20 PM
28 Apr 2023 02:30 - 04:20 PM

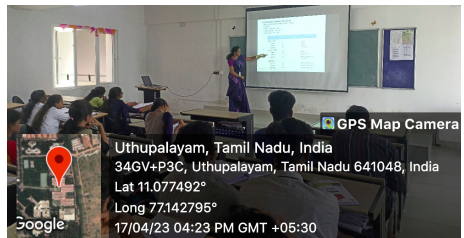
Resource Persons
Dr. Sindhu S
Dr. Thamarai Selvi M
Ms. Jincy Abraham

17-28 Apr @ CH II
KPRIET
29 Apr '23 @ PSGCAS

Faculty Coordinator
Dr. Bharathi Ganesan/AP(SrG) ChemE

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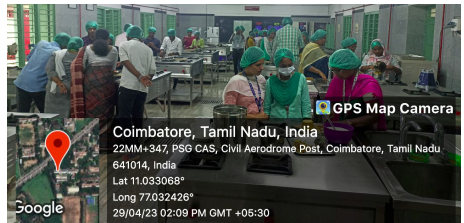
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