

### Yashavantrao Chavan Institute of Science, Satara

(Autonomous College), Sadar Bazar, Satara – 415001, Maharashtra, India, • Uni. Affil. No. UKF/565/U/5 (Lead College of Karmaveer Bhaurao Patil University, Satara) Prin. Dr. B. T. Jadhav M.Sc., M.Phil., Ph.D.

• NAAC Reaccredited: 'A' Grade with CGPA 3.57 • UGC-CPE • DST-FIST • DBT-STAR, • UGC-PARAMARSH • ISO-9001-2015 Certified • RUSA Component 8 • NIRF, IIC, ARIIA Rankings • UNAI Membership



Estb: 1965

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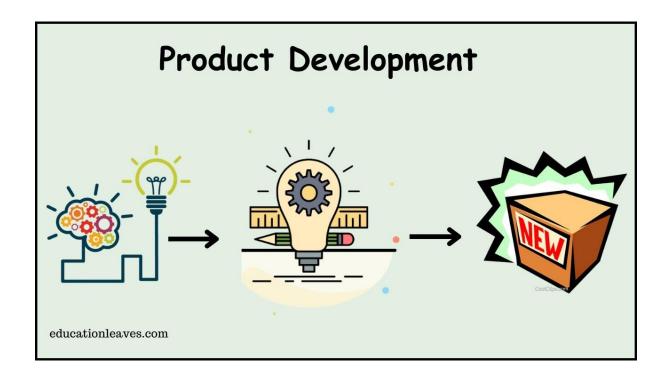


**Criterion II: Teaching-Learning** and Evaluation



#### PRODUCT DEVELOPMENT

The students are encouraged to design and develop products which are of commercial value. Electronics and Food Processing Departments are pioneers in this aspect in our institute. More than 6 products of our students are now licensed and out in the market.





# Yashavantrao Chavan Institute of Science (Autonomous), Satara Department of Food Processing and Packaging Commercialised of food products (2022-23)

Department of Food Processing and Packaging of Yashavantrao Chavan Institute of Science (Autonomous), Satara is always supporting students to became entrepreneur.Recently Priyanka Nalawade from M.Sc. I of Food Processing and Packaging Department formulated and standardized twelve food products such as Chicken curry masala and Mutton rassa masala & others. which is a mixture of various ingredients such as Tomato powder, Onion powder, Ginger powder etc which shows a great human health benefit and these products were commercialised on behalf of Hon. Principal Dr. B.T. Jadhav Food Processing and Packaging Department Co- Ordinator Asst. Prof. Mrs. V. S. Patil, Incharge Asst. Prof. Pandurang Dure and all the faculty members from the Asst. Prof. Ms. Shraddha Shinde, Asst. Prof. Ms. Supriya Patil, Asst. Prof. Ms. Pooja Shitole, Asst. Prof. Ms. Shrutika Kadam, Asst. Prof. Ms. Geeta Kulkarni, Asst. Prof. Ms. Medha Bodhe, Asst. Prof. Ms. Madhavi Chavan, Asst Prof. Ms. Meghna Deshmukh played a key role by supporting student in every possible way and are also encouraging students to set up new start up industry. Chicken curry masasla and Mutton rassa masala which are commercialised recently, both the food products do not contain food preservative and food color. So now this new food products are going to make possible to cook chicken curry and mutton rassa instantly without consumption of time.

List of Product	Date of commercialization	Products Launched by,
Ready-To-Cook chicken curry masala	19 January 2022	Hon. Principal Dr. B.T. Jadhav Sir.& All Faculty members of Food Department.
Ready-To-Cook Mutton rassa masala	19 January 2022	Hon. Principal Dr. B.T. Jadhav Sir.& All Faculty members of Food Department.
Ready-To-Cook Paneer Gravy Masala mix.	18 February 2022	Hon. Principal Dr. B.T. Jadhav Sir, Manisha Patil Ma'am, Deshpande Sir, V.S. Patil Maám, P.R. Dure Sir & Guests.
Ready-To-Cook Paneer Butter masala mix.	18 February 2022	Hon. Principal Dr. B.T. Jadhav Sir,Manisha Patil Ma'am,Deshpande Sir,V.S.Patil Maám,P.R.Dure Sir & Guests.

Ready-To-Cook Mutter Paneer Masala Mix	18 February 2022	Hon. Principal Dr. B.T. Jadhav Sir, Manisha Patil Ma'am, Deshpande Sir, V.S. Patil Maám, P.R. Dure Sir & Guests.
Groundnut Chutney	18 February 2022	Hon. Principal Dr. B.T. Jadhav Sir, Manisha Patil Ma'am, Deshpande Sir, V.S. Patil Maám, P.R. Dure Sir & Guests.
Sesame chutney	18 February 2022	Hon. Principal Dr. B.T. Jadhav Sir,Manisha Patil Ma'am,Deshpande Sir,V.S.Patil Maám,P.R.Dure Sir & Guests.
Onion Garlic masala	18 February 2022	Hon. Principal Dr. B.T. Jadhav Sir, Manisha Patil Ma'am, Deshpande Sir, V.S. Patil Maám, P.R. Dure Sir & Guests.
Red chilli powder	18 February 2022	Hon. Principal Dr. B.T. Jadhav Sir,Manisha Patil Ma'am,Deshpande Sir,V.S.Patil Maám,P.R.Dure Sir & Guests.
Flax seed chutney	18 February 2022	Hon. Principal Dr. B.T. Jadhav Sir,Manisha Patil Ma'am,Deshpande Sir,V.S.Patil Maám,P.R.Dure Sir & Guests.
Dry Garlic Coconut Chutney	18 February 2022	Hon. Principal Dr. B.T. Jadhav Sir,Manisha Patil Ma'am,Deshpande Sir,V.S.Patil Maám,P.R.Dure Sir & Guests.
Niger seed chutney	18 February 2022	Hon. Principal Dr. B.T. Jadhav Sir,Manisha Patil Ma'am,Deshpande Sir,V.S.Patil Maám,P.R.Dure Sir & Guests.



Co-ordinator
Food Processing & Pack
YCIS, Satara (Autonomous)

#### Photos of Launching of Products in Market-





#### Labelling of Products-

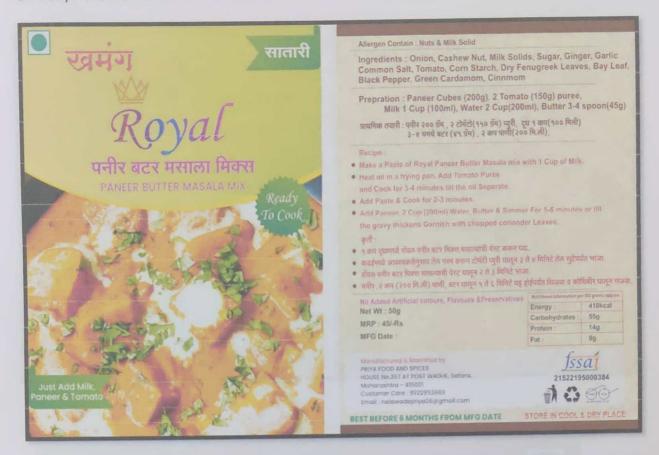
1... Ready-To-Cook Mutton Rassa masala.



#### Ready-To-Cook Chicken curry Masala Mix.



#### 3. Ready-To-Cook Paneer Butter Masala Mix.



#### 4. Ready-To-Cook Mutter Paneer Mix.



#### 5. Ready-To-Cook Paneer Gravy Masala Mix.



#### 6. Groundnut Chutney.



#### 7. Niger Seed Chutney



#### 8-Flax Seed Chutney



#### 9. Onion Garlic Masala.



#### 10.Red Chilli Powder.



#### 11. Dry Garlic Choconut Chutney.



#### 12.Sesame Chutney.



Final Packaging of products-





Jobs

Co-ordinator
Food Processing & Packaging
YCIS,Satara (Autonomous)

#### Yashavantrao Chavan Institute of Science (Autonomous), Satara

**Department of Food Processing and Packaging** 

In Collaboration with

Institution Innovation Council (IIC), YCIS, Satara.

Report on -

Commercialization of food product (2023-24)

Launching of Food product of Miss. Anushka Karande and Miss. Tejas Sapkal under the guidance of Department of Food Technology

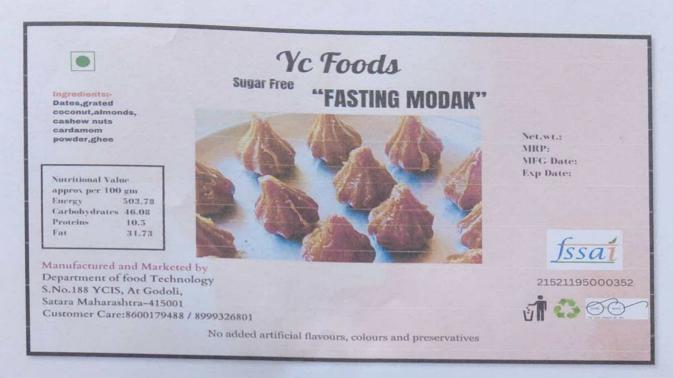
Department of Food Processing and Packaging of Yashavantrao Chavan Institute of Science (Autonomous), Satara is always supporting students to became an entrepreneur. Recently Anushka Karande and Tejas Sapkal from B.Sc. III of Food Processing and Packaging Department formulated and standardized "Sugar free fasting modak" food product which is without any added sugar as well as suitable for fasting people. Product is a mixture of various ingredients such as coconut ion powder, Ginger powder etc which shows a great human health benefit and this product was commercialised on behalf of Hon. Principal Dr. B.T. Jadhav, Asst. Prof. Mrs. V. S. Patil, Food Technology Department Co- Ordinator. Mr. S.R. Pol Chairman, Institutions Innovation Council (IIC) and all faculty members of Food Technology department played a key role by supporting student in every possible way and are also encouraging students to set up new start up industry. Sugar-free fasting modak which are commercialised recently, do not contain added sugar, food preservative and food color. The product will be a good choice for people who fast during festival season, and is sweet without any added sugar so, a good product for diabetic patients as well, to give them festival feel as modak is traditional Maharashtrian Sweet prepared during Ganesh Utsav.So now this new food product made with dates and coconut, rich in nutrients and natural Sweetness is formulated and commercialized.

Name of Product	Date of commercialization	Product Launched by,
"Sugar-free Fasting Modak	21 September 2023	Hon. Principal Dr. B.T. Jadhav Sir. YCIS, Satara (Autonomous) Mrs. V.S. Patil Co-ordinator, Department of Food Technology Mr. P.R. Dure Incharge, Department of Food Technology Mr. S.R. Pol Chairman, Institutions Innovation Council (IIC)& All Faculty members of Food Technology Department.

### Photos of Launching of Products in Market-







#### Final Packaging of products-





Yashavantrao Chavan Institute of Science (Autonomous), Satara

**Department of Food Processing and Packaging** 

In Collaboration with

Institution Innovation Council (IIC), YCIS, Satara.

Report on -

Commercialization of food product (2023-24)

Launching of Food product of Mr. Akash Gaikwad under the guidance of Department of Food Technology

Department of Food Processing and Packaging of Yashavantrao Chavan Institute of Science (Autonomous), Satara is always supporting students to became an entrepreneur. Recently Mr. Akash Gaikwad from B.Sc. II of Food Processing and Packaging Department formulated and standardized "Mix Chocolates Pack" food product which is without any added sugar. Product is a mixture of various ingredients such as dark chocolate, white chocolate and dryfruits etc with additional flavours which shows a great human health benefit and this product was commercialised on behalf of Hon. Principal Dr. B.T. Jadhav, Asst. Prof. Mrs. V. S. Patil, Food Technology Department Co- Ordinator. Mr. S.R. Pol Chairman, Institutions Innovation Council (IIC) and all faculty members of Food Technology department played a key role by supporting student in every possible way and are also encouraging students to set up new start up industry. "Mix Chocolates Pack" which are commercialised recently, do not contain added sugar, food preservative and food color.

Name of Product	Date of commercialization	Product Launched by,
"Mix Chocolates Pack"	08 November 2023	Hon. Principal Dr. B.T. Jadhav Sir. YCIS, Satara (Autonomous) Mrs. V.S. Patil Co-ordinator, Department of Food Technology Mr. P.R. Dure Incharge, Department of Food Technology Mr. S.R. Pol Chairman, Institutions Innovation Council (IIC)& All Faculty members of Food Technology Department.

#### Photos of Launching of Products in Market-









# Rayat Shikshan Sanstha's Yashavantrao Chavan Institute of Science, Satara

(Autonomous)

### Department of Food Technology

In Collaboration with

Incubation Cell, YCIS, Satara.

Title of Activity - Inauguration of Kisan Processing Unit

Day & Date - Thursday, 07 December 2023

Description of Activity-

Introduction- The alumni Student of Department of Food Processing and Packaging Mr. Ashish Mane has started the Soyabean processing industry named 'Kisan Processing Unit' under the collaboration with Department of Food Technology and Incubation cell, YCIS, Satara. Various products from Soyabean such as soyamilk, tofu, curd are manufactured. The inauguration was done by the MLA of satara district Shrimant Chatrapati Shivendraraje Bhosale. The Guidance of Mr. P. R. Dure sir (Assistant Professor, Dept of Food Technology) was valuable for successful startup.

Objectives –To promote the students to use their technical skills and knowledge and became successful entrepreneur. Also support students for their startups of business. This is the output of departmental best practice.

Address by Chief Guest – the MLA of satara district Shrimant Chatrapati Shivendraraje Bhosale

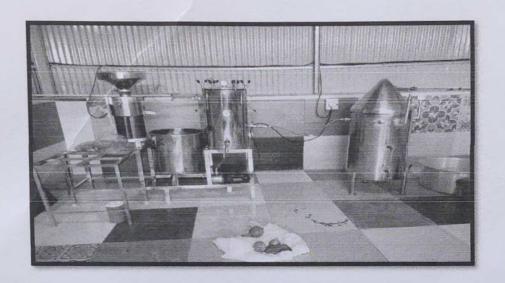
Outcome: Students are starting their business

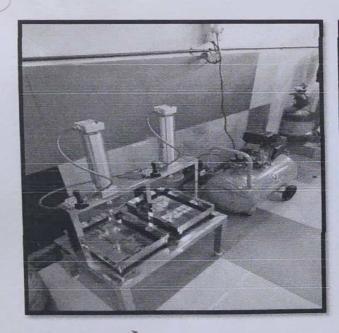
Photographs:

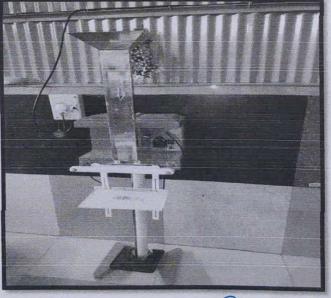














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# Rayat Shikshan Sanstha's Yashavantrao Chavan Institute of Science (Autonomous), Satara Department of Food Technology

In Collaboration with

Incubation Cell, YCIS, Satara.

Report on -Commercialization of food product (2023-24)

# Launching of Food product of Miss. Siddhi Phalke under the guidance of Department of Food Technology

Department of Food Processing and Packaging of Yashavantrao Chavan Institute of Science (Autonomous), Satara is always supporting students to became an entrepreneur. Recently Miss. Siddhi Phalke from M.Sc. I of Food Technology formulated and standardized "Siddhi's Chocolates" food product which is without any added sugar. Product is a mixture of various ingredients such as dark chocolate, white chocolate and dryfruits etc with additional flavours which shows a great human health benefit and this product was commercialised on behalf of Hon. Principal Dr. B.T. Jadhav, Asst. Prof. Mrs. V. S. Patil, Food Technology Department Co- Ordinator. Mr. P. R. Dure Chairman, Incubation Cell and all faculty members of Food Technology department played a key role by guiding, supporting student in every possible way and are also encouraging students to set up new start up industry.

"Siddhi's Chocolates" which are commercialised recently, do not contain added sugar, food preservative and food color. For this stat-up Incubation cell of college provide funds for FSSAI & MSME Liscence and also for Incubation registration fees. As a result of above efforts she had commercialized Siddhi's Chocolates on 09/01/2024.

Name of Product	Date of commercialization	Product Launched by,
"Siddhi's Chocolates"	09 January 2024	Hon. Principal Dr. B.T. Jadhav Sir. YCIS, Satara (Autonomous) Mrs. V.S. Patil Co-ordinator, Department of Food Technology Mr. P.R. Dure Chairman, Incubation Cell & All Faculty members of Food Technology Department.



Rayat Shikshan Sanstha's Yashavantrao Chavan Institute of Science, Satara (Autonomous) Department of Food Technology in Collaboration with Incubation Cell and ED cell.



Launch the Food product of Ms.Siddhi S. Phalke under the guidance of Asst. Prof. Mr. P. R. Dure &Ms. P. I. Nalawade

"Siddhi's Chocolate " On 9<sup>th</sup> Jan 2024 at 3:30pm



Mr. P.R. Dure Chairman Incubation cell

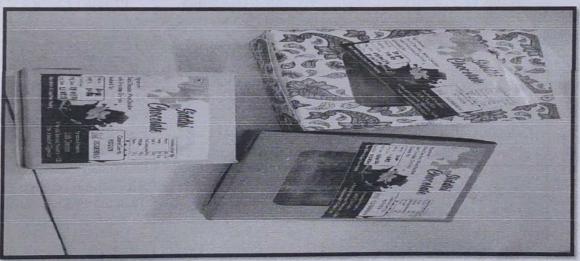


Mrs. V.S. Patil Co-ordinator Food Technology



Dr. B.T. Jadhav Principal Y.C.I.S. Satara







Food Technology YCIS, Satara (Autonomous)

Yashavantrao Chavan Institute of Science (Autonomous), Satara

Department of Food Processing and Packaging

In Collaboration with

Incubation Cell, YCIS, Satara.

Report on -

Commercialization of food product (2023-24)

# Launching of Food product of Mr. Vinit Dhamal under the guidance of Department of Food Technology

Department of Food Processing and Packaging of Yashavantrao Chavan Institute of Science (Autonomous), Satara is always supporting students to became an entrepreneur. Recently Mr. Vinit Dhamal who is alumni student of Food Processing and Packaging formulated and standardized "Dhamal Agro" Freeze dried Fruits which is available throughout the year and do not contain added sugar, food preservative and food color which shows a great human health benefits and this product was commercialised on behalf of Hon. Principal Dr. B.T. Jadhav, Asst. Prof. Mrs. V. S. Patil, Food Technology Department Coordinator. Mr. S. H. Mujawar, Dean Research and Development, Mr. P. R. Dure, Chairman Incubation cell of college and all faculty members of Food Technology department played a key role by supporting student in every possible way and are also encouraging students to set up new start up industry.

"Dhamal Agro" Freeze dried Fruits which are commercialised recently, do not contain added sugar, food preservative and food color. Mr. Vinit Dhamal is pass out student of 2021-22 of Food Processing and Packaging department. This project is mentored by Mr. P. R. Dure, Chairman Incubation Cell. Mr. Vinit Dhamal is registered student of Incubation cell of YCIS. His project is mentored by Mr. P. R. Dure Chairman Incubation Cell YCIS, Satara

Name of Product	Date of commercialization	Product Launched by,
"Dhamal Agro" Freeze dried Fruits	20 January 2024	Hon. Principal Dr. B.T. Jadhav Sir. YCIS, Satara (Autonomous) Mrs. V.S. Patil Co-ordinator, Department of Food Technology Mr. P.R. Dure Chairman Incubation cell of college & All Faculty members of Food Technology Department.

# Photos of Launching of Products in Market-



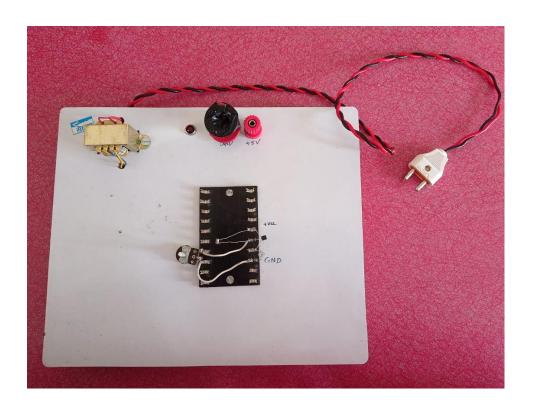




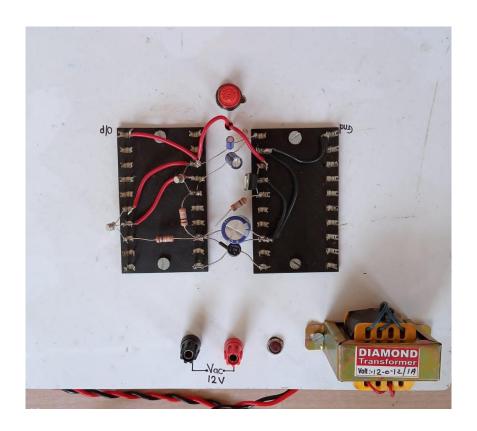
# Yashavantrao Chavan Institute of Science, Satara (Autonomous) Department of Electronics

### **Design and Development of Electronic products**

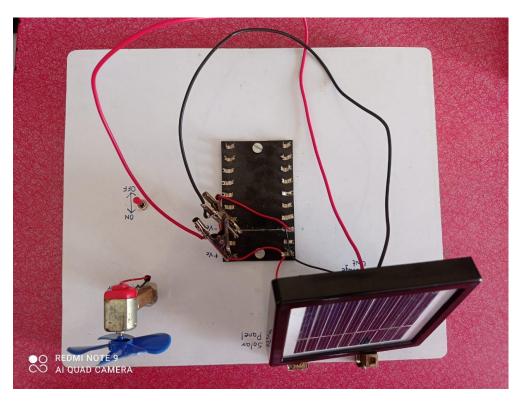
Sr. no	Student Name	UID No.	Case Study
1	PriyankaRamchandra Mane	2021908122	Design and calibrate light intensity meter using photodiode or LDR the necessary signal conditioning and display.
2	Shailessh rajendra jangam	202098118	Design switch mode power supply.
3	Shrihari Shrinivas gubbala	202098102	Design solar power system.
4	Rutuja balkrushan kumbhar	202098105	Design power supply using transistor.
5	Maya Santosh Kadam	2021908111	To study of IR transmitter and receiver for object detection using TSOP1738.



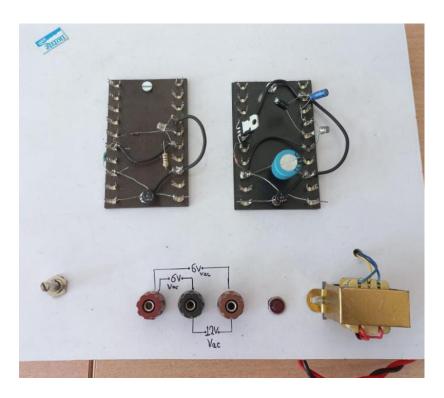
Product No. 1



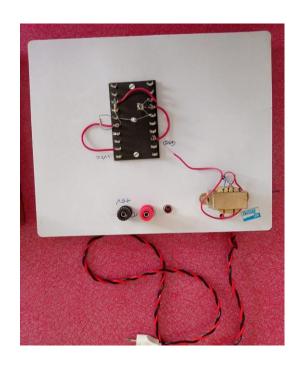
Product No. 2



Product No. 3



Product No. 4



Product No. 5