

CIFTFISHPRO

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Dissemination of technologies to the end-user is an integral part of any research and development organization. ICAR-Central institute of fisheries technology (ICAR-CIFT) has developed and optimized various value-added fish products for the better utilization of fishery resources, to support the livelihood of fishers and to transfer the services to the stakeholders through teaching, training and agribusiness incubation programs. In this era of digitalization and online services, development of user-friendly applications for the dissemination of technology to the users would enhance their knowledge, to help the entrepreneurs or stakeholder to plan, design and execute the development of value-added fish products.

CIFTFISHPRO is a web-based information system on a series of value-added fish products, listing the required ingredients and the stepwise method of preparation of the products. One of the major features of the application is that it will help the user to quantify the ingredient requirement when the product is taken up for up-scaling and also determines the approximate cost of production for a given quantity of raw fish. Further, the system gives an option to the user to enter the input cost of the ingredients and the user gets a broad idea on the total cost incurred while up-scaling the product. Users can also use the application to communicate with the experts at CIFT, to answer their queries. Moreover, development of value-added fish products enhances nutritional security and boosts the livelihood and entrepreneurship options of the weaker sections of the society.

The system was developed in hypertext preprocessor (PHP) and designed using hypertext markup language (HTML) and Cascading style sheets (CSS). The algorithm for up-scaling the product was implemented in JavaScript (JS). CIFTFISHPRO being a web-based application can be accessed from any arbitrary platforms using the internet; this would help the entrepreneurs or stakeholder to plan, design and execute the development of value-added fish products optimally.

CIFTFISHPRO is an interactive software with simple and easy navigation to access the contents; the web version is available at <http://ciftfishpro.cift.res.in/index.php> and the android

application can be downloaded from google play store at https://play.google.com/store/apps/details?id=com.icar_ciftfishpro&hl=en_IN&gl=US.

The web based system starts with a home page navigating to information about series of value added fish products including description about the product, active ingredients of the products and brief on its method of preparation. It also includes up-scaling option for each product. The home page includes a slider to showcase the products banner and a menu bar redirecting to system description, fish products and contact option as given in figure 1.



Figure 1. Home page of CIFTFISHPRO

Figure 2 shows the fish products section; it displays the various value-added fish products developed by ICAR-CIFT. The series of fish products includes coated fish products (fish cutlets, fingers, burger, balls etc.), wrapped fish products (fish momos, kebabs, samosa and rolls), marinated products (fish and prawn pickles), extruded products (fish kure and noodles), cured products (dried fish and prawn) and other products like fish sausage and prawn chutney powder etc.

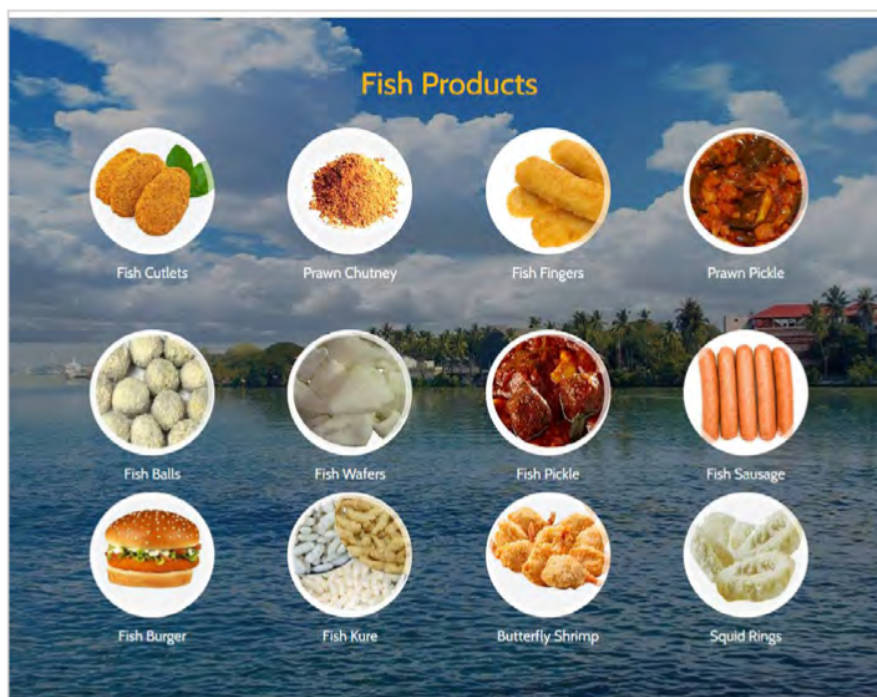


Figure 2. List of value added fish products

On clicking the fish products, it redirects to a webpage with the product description, the required ingredients and the method of preparation as in Figure 3.

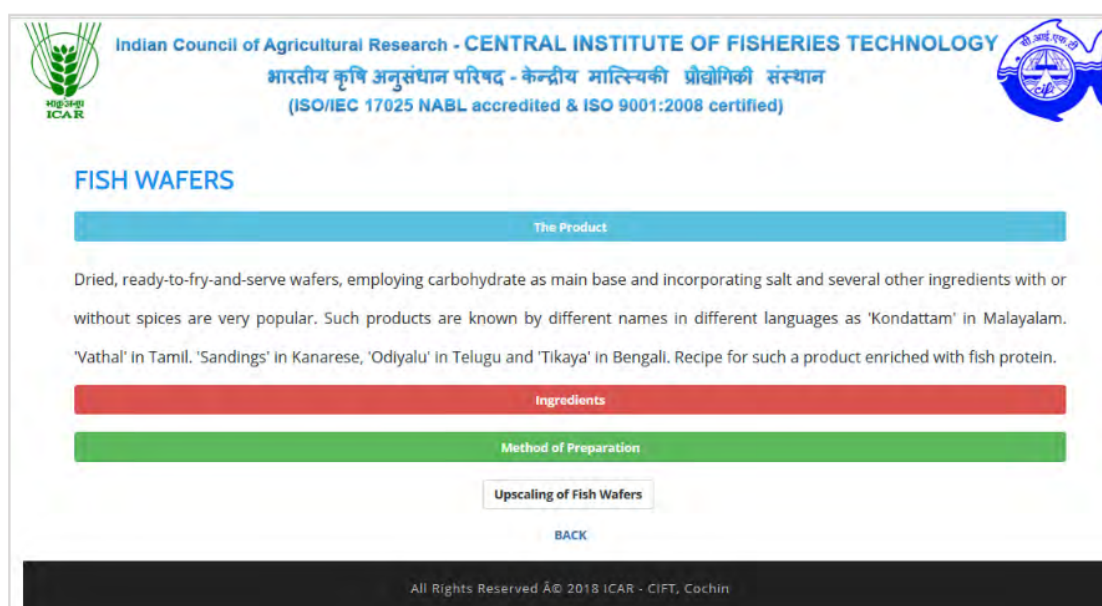


Figure 3. Inner page of fish wafers

Further it contains the up-scaling page for each product. Figure 4 shows the up-scaling page for the fish products.

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 (ISO/IEC 17025 NABL accredited & ISO 9001:2008 certified)

FISH WAFERS

No	NAME	WEIGHT in KG	Enter the Price per KG	Price of Item
1	COOKED FISH MEAT	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	CORN FLOUR	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	TAPIOCA STARCH	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	SALT	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	WATER (L)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Total Ingredients Weight		<input type="text"/>	Total Price of Ingredients	<input type="text"/>

** It has not taken into account equipment and operational cost.

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Figure 4. Up-scaling page of fish wafers

For example, on clicking fish wafers link, it gives a brief description about fish wafer, the active ingredients in fish wafer and the step-by-step method of preparation as illustrated in figure 3. The system also provides an option for the up-scaling of the fish wafer as in Figure 4.

The contact CIFT link contains the contact form, ask the expert as in Figure 5. Using the contact form, the user can post the queries along with their name and e-mail id; this would enable the experts from CIFT to give instant replies to the query.

Contact CIFT

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Ask Expert @ CIFT

Name Email

Message...

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 4.5 ★★★★★
 View larger map

Map labels: Changan Pyl. Ltd, NAVAL AIRCRAFT YARD, Cochin Port Trust Toll Booth, Matsyapuri Post Office, ICAR-Central Institute of Fisheries Technology, C.I.F.T Junction, Mfg Motos Hydraulic device, Indian Oil Pump Associated Fuels, Ralls Indi, Old Thoppumpady Harbour Bridge, Thoppumpady Bridge, Cochin Trust, Bralox Rd, Lughard Rd.

Figure 5. Ask the expert contact form in CIFTFISHPRO

References

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