A customized database on import and export trade of fish oil and fish meal in India

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Mining of trade data is an important part of any development programme for formulating and implementing policy related matters for researchers and policy makers. It is noted that trade data in any specified field may be scares which is difficult to collect and also retriev meaningful information for the researchers, academicians and policy makers. The best option to overcome this issue is to bring the scares data into a customized database, so that it can be accessed, used and analysed at any point of time. By keeping this in mind, a customized database was developed on trade statistics of import of fish oil and fish meal to India from other countries and export of fish oil and fish meal from India to the world in terms of quantity and price under specified harmonized system (HS) code using Microsoft Office Access (MS Access). The design of the databases includes creation of different types of tables, queries, forms and reports and these objects are intended to store data, write search queries for retrieving data, add, edit or delete data records from the table and to generate compiled and formatted outputs.

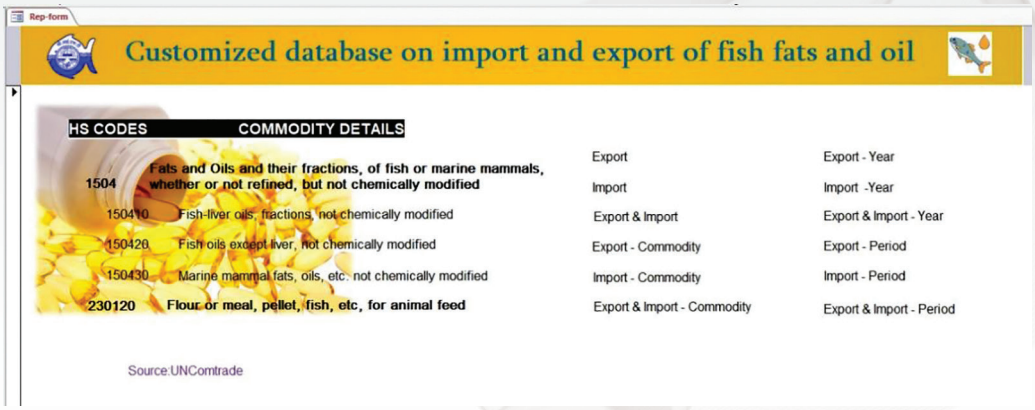
The aim of the relational database is to provide customized trade statistics to the user with respect to the contents integrated into the system with specific HS codes and categories.

The data were arranged in nine tables in the database. The rows defined in the database contains the entries such as the year, country, HS Code, weight (in kgs), price (in US dollars) and Mode is a record. The data fields, year, HS Code, weight in kg and price in US $ are defined as numbers. In the database, the data field, year is defined as a primary key and it uniquely identifies each record from the export and import statistics of fish fat oil and fish meal.

Queries are defined to retrieve data on year-wise export, year-wise import, commodity-wise export, commodity-wise import, period-wise export and period-wise import and export of fish oil and fish meal under specified HS codes.

Forms were designed to allow users to interact with the database through navigating and interacting with the data stored in the database. Report forms were

used to present data in a customized and predefined format, which allow users to generate reports with specific criteria, such as export or import data of a particular HS code (e.g., 1504) or other conditions. These report forms can be very useful for end-users to extract meaningful information from the database without needing to know the underlying database structure or run complex queries.



Reports in a database application, such as Microsoft Access, are powerful tools for presenting, analysing, and summarizing selected data from the database. They offer a structured and customizable way to convey information to users. Reports will be generated based on various criteria, including data from tables or queries, and they help users gain insights from the database. These reports are designed to recollect customized database queries. This means that user can create reports to display specific sets of data based on the criteria mentioned, such as export and import of different commodities and specific time periods.

To enhance the utility of these reports, buttons have been added to allow users to export the report contents to external document formats, such as PDF, Microsoft Excel, or Microsoft Word. This feature enables users to save and share the reports locally on their devices, print or incorporate the same into presentations. Reports in Microsoft Access is designed with a user-friendly interface, including labels, headers, and formatting to make the information easy to read and better understanding.

A readily accessible database on the trade statistics on import and export of fish meal and fish oil has been designed and developed in MS Access. The database provides information on year-wise and coutry-wise import and export of fish oil and fish meal to and from India.

Export of All Items

Year	Country	HS Code	Commodity	Weight in kg	Price in US $
2000	France	1504	Fish, marine mammal fat or oil not chemically modified	485	596
2000	Nigeria	1504	Fish, marine mammal fat or oil not chemically modified	106690	940478
2000	South Africa	1504	Fish, marine mammal fat or oil not chemically modified	1000	1758
2000	United Arab Emirates	1504	Fish, marine mammal fat or oil not chemically modified	4400	6682
2000	United Kingdom	1504	Fish, marine mammal fat or oil not chemically modified	1000	3581
2000	Viet Nam	1504	Fish, marine mammal fat or oil not chemically modified	3250	26408
2000	World	1504	Fish, marine mammal fat or oil not chemically modified	132290	1051284
2001	France	1504	Fish, marine mammal fat or oil not chemically modified	8140	15457
2001	Japan	1504	Fish, marine mammal fat or oil not chemically modified	3520	5287
2001	Malaysia	1504	Fish, marine mammal fat or oil not chemically modified	95	667
2001	Nigeria	1504	Fish, marine mammal fat or oil not chemically modified	73725	463224
2001	United Arab Emirates	1504	Fish, marine mammal fat or oil not chemically modified	1550	3166

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