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HACKATHON '17**

# World's Biggest Hackathon

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## Ministry of Food Processing

The Ministry of Food Processing Industries (MOFPI) is responsible for formulation and administration of the rules and regulations and laws relating to food processing in India. The ministry was set up with a view to develop a strong and vibrant food processing industry, to create increased employment in rural sector and enable farmers to reap the benefits of modern technology and to create a surplus for exports and stimulating demand for processed food. They have 15 problem statements for Smart India Hackathon 2017.

## [Campaign on Facebook page for promoting processed food](#)

#FP15

Total Submissions : 12

☐ General mind set is that processed food lacks freshness and contains harmful preservatives.

- ☐ Campaign of Facebook page will take advantage of growing popularity of social media.
- ☐ Accordingly the face book page of the Ministry needs to include additional features on processed food promotion, which would engage followers in an interactive manner.

Sample data required: No

PARTICIPATE



### [Spread sheet model for estimating wastage periodically](#)

#FP14

Total Submissions : 6

- ☐ There is high wastage of perishables like fruits and vegetables due to inadequate availability of cold storage.
  - ☐ Ministry implements cold chain scheme but is constrained by the lack of data on wastage to better plan its scheme.
  - ☐ With no metric available for measuring changes in wastage level, policy formulation becomes difficult.
- Accordingly a spread sheet model is required that can automatically estimate wastage levels periodically based on a standard methodology.
- ☐ In the spread sheet model secondary and survey data can be fed in so as to calculate wastage on periodic basis.
  - ☐ The model can be based on the methodology used by CIPHET, Ludhiana in a recent study commissioned by Ministry of Food Processing.

Sample data required: No

PARTICIPATE



### [Spread sheet model for estimating processing levels periodically](#)

#FP13

Total Submissions : 4

countries.

- ☐ Ministry makes soft and hard interventions to increase processing levels but cannot measure changes in it.
- ☐ With no metric available for measuring changes in processing level, policy formulation becomes difficult.

Accordingly a spread sheet model is required that can automatically estimate processing levels periodically based on a standard methodology.

☐ In the spread sheet model secondary data would be plugged in to calculate processing levels on a periodic basis.

☐ The model can be based on the methodology used by Institute of Economic Growth in their 2014 study commissioned by Ministry of Agriculture.

Sample data required: No

PARTICIPATE



### [An app to match fortification ideas and nutrients blending technologies](#)

#FP12

Total Submissions : 8

- 
- ☐ Fortification of food products with nutrients lessens nutritional deficiencies in masses.
  - ☐ Fortification can also build brands and create large markets.
  - ☐ Nutrients blending technologies are available but industry does not know much about them.
  - ☐ Food technologists also do not connect with industry to seek ideas on blending technologies.
  - ☐ On the app industry can post its fortification ideas and access information on nutrients blending technologies posted by food technologists.
  - ☐ Collaboration between the two can then happen.

Sample data required: No

PARTICIPATE



### [Dashboard of information for foreign investors to invest in retail food chain](#)

☐ For making investment plans the investor would seek out the interactive dashboard for relevant information such as:

- ☐ Sourcing of various food products
- ☐ Availability of dry and cold storages
- ☐ Retail and wholesale market of agri-produce
- ☐ Interest shown by local partners
- ☐ Availability of logistics
- ☐ Leasing/owning of physical stores
- ☐ Such relevant information is available on websites of ministries of food processing industries, agriculture, consumer affairs, DIPP and state governments.

Sample data required: No

PARTICIPATE



### [App for industry to post R&D requirements for reaching out to R&D Institutions](#)

#FP10

Total Submissions : 4

- 
- ☐ Ministry funds applied R&D projects whose outcomes can be scaled up commercially.
  - ☐ R&D institutes seeking assistance for projects must show industry collaboration.
  - ☐ The industry-institute collaboration is happening through informal net works.
  - ☐ This precludes lot of prospective and meritorious collaboration.
  - ☐ On the app industry would post its requirements and researchers their areas of interest and the app would match them.
  - ☐ The collaboration need not look for government support.

Sample data required: No

PARTICIPATE



### [Window on website to upload traditional food recipes for commercial development](#)

- ☐ Traditional food of high shelf life is a rich source of new product offerings but their information is scattered.
- ☐ Their recipes need to be collected before food technologists and equipment manufacturers standardize them and lay out a blue print for scaling them up commercially.
- ☐ The window on the website would enable uploading of recipes by individuals.
- ☐ Industry would access such information and take it forward with the help of food technologists and equipment manufacturers.

Sample data required: No

PARTICIPATE



### [App of small videos on food processing techniques for farmer community](#)

#FP8

Total Submissions : 20

- ☐ Inadequate cold chain facilities spoil perishable agri-produce.
- ☐ Processing prevents perishable agri-produce from spoiling.
- ☐ Inexpensive and home operable processing techniques can help farmers stock food.
- ☐ Stocked food can be consumed or sold alleviating poverty.
- ☐ The app would provide exposure to the farming community of best global practices on home based processing techniques.

Sample data required: No

PARTICIPATE



### [Window on Ministry's website to upload data on KPI of Abattoirs](#)

#FP7

Total Submissions : 2

- ☐ Ministry provides support to Municipalities for setting up/modernization of Abattoirs.
- ☐ Abattoirs process meat including poultry causing no pollution and provide meat fit for human consumption.

- ☐ Meat processed
- ☐ Number of farmers/FPI benefited
- ☐ Employment generated

Sample data required: No

PARTICIPATE



### [Window on Ministry's website to upload data on KPI of Cold Chain Projects](#)

#FP6

Total Submissions : 21

- ☐ Cold Chain projects assisted by Ministry provide cold storage for and processing of perishables.
- ☐ Cold chain includes pre-cooling facilities, cold storage and reefer vans together with processing element.
- ☐ No real time data available to monitor the performance of cold chain projects – for policy making
- ☐ On the window, cold chains at regular intervals would upload data on various KPIs such as
- ☐ Agri-produce stored and processed
- ☐ Number of farmers/FPI benefited
- ☐ Employment levels generated

Sample data required: No

PARTICIPATE



### [Window on Ministry's website to upload data on KPI of Mega Food Parks](#)

#FP5

Total Submissions : 2

- ☐ Mega Food Parks provide common facilities for units set up therein for processing.
- ☐ Logistics support is also provided to bring agri-produce into the park.
- ☐ No real time data available to monitor the performance of Mega Food Parks-for policy making.
- ☐ On the window, parks at regular intervals, would upload data on various KPIs such as

- ☐ Farmers benefited
  - ☐ Employment generated
- Sample data required: No

PARTICIPATE



### [A dashboard for foreign investors to decide locations for setting up FPIs](#)

#FP4

Total Submissions : 10

- ☐ No organized information available to foreign investors to decide location to set up units.
  - ☐ A dashboard in the Ministry would provide district wise information such as:
    - ☐ Agri-produce
    - ☐ Product wise food clusters
    - ☐ Processing infrastructure/common facilities
    - ☐ Local industries and traders of food products
    - ☐ All such information is available in the public domain.
- Sample data required: No



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### [A dashboard to connect FPI with importers](#)

#FP3

Total Submissions : 4

- ☐ Low global acceptability because of poor product offerings and weak branding.
- ☐ Need for focusing on process and product development.
- ☐ Direct connect with importers is required.

websites.



### [App to connect FPI directly with Domestic Retailers](#)

#FP2

Total Submissions : 9

- ☐ FPI mostly in the small scale sector.
- ☐ Small enterprises located near farm gates.
- ☐ High marketing costs makes them sell only in local markets.
- ☐ No volumes to sustain business viability.
- ☐ Wholesalers pay low prices stressing FPI viability.
- ☐ App would connect FPI to large departmental stores and retail chain.

Volumes would increase and wholesalers margins would redistribute between FPI and retailers

Sample data required: No

PARTICIPATE



### [App to connect Farmers directly with Retailers and Food Processing Industries](#)

#FP1

Total Submissions : 57

- ☐ Farmers are paid low prices by Mandis.
- ☐ Inadequate cold storage to store excess produce.
- ☐ Mandis charge higher prices from retailers and FPI.
- ☐ Households pay higher prices.
- ☐ The app would distribute trader's margin between farmers and retailers/FPIs.

Households would pay lower prices

Sample data required: No





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Last Updated: December 1, 2016 at 12:16 pm -- innov-web-sp-83-145.mygov.in



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