

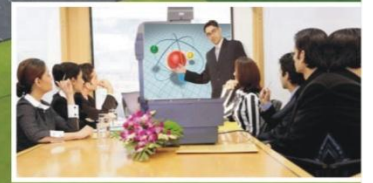


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M  FPI

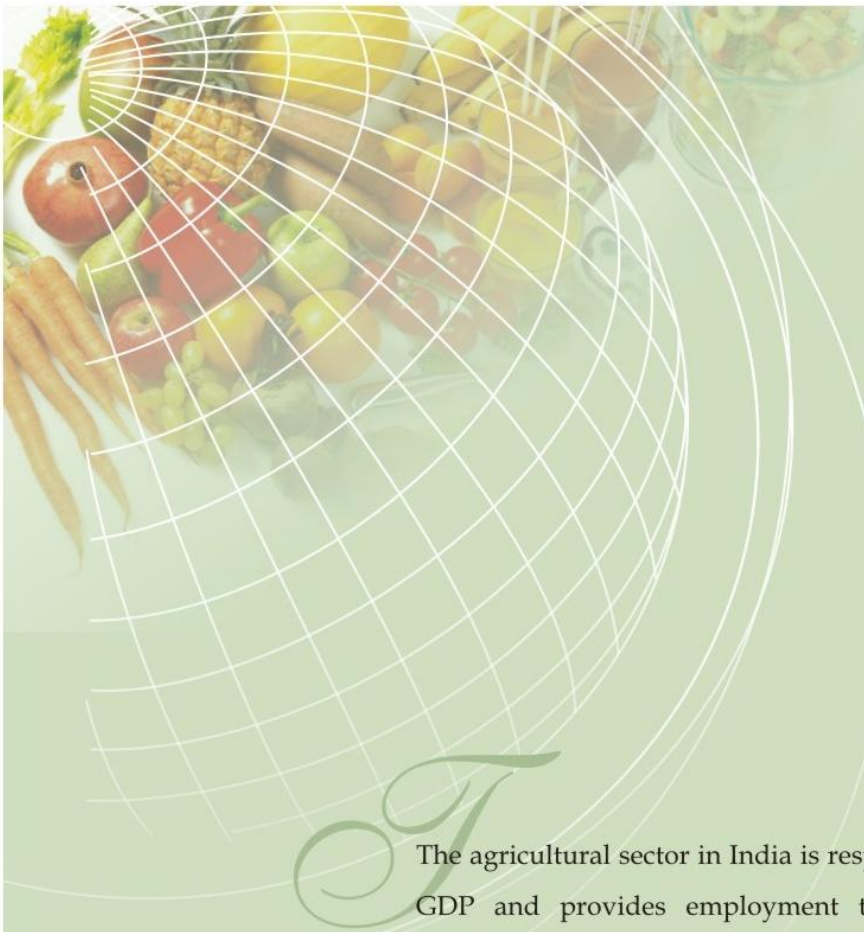


Future of Global Excellence in Food Technology, Research and Management



National Institute of Food Technology Entrepreneurship and Management

(An Autonomous Organisation under Ministry of
Food Processing Industries, Government of India)



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The agricultural sector in India is responsible for a quarter of the nation's GDP and provides employment to approximately two-third of its population. However, India's potential as a major player in the global agricultural market has failed to attain fruition because of lack of development in the food processing sector. World-class institutions for technology, management and entrepreneurship education and research are a critical requirement for the growth of food processing industries.

To address this lacuna, the National Institute of Food Technology Entrepreneurship and Management (NIFTEM) is being set up by the Ministry of Food Processing Industries (MOFPI) as an apex world-class institute that will cater to the needs of various stakeholders such as entrepreneurs, industry, exporters, policy makers, the government and existing institutions. The institute will

- ❖ develop world-class managerial talent and entrepreneurship with advanced know-how in food sciences and technology
- ❖ increase the importance of food hygiene and safety standards
- ❖ facilitate business incubation services
- ❖ collect and disseminate information on national and international market trends for food products





NIFTEM

- ❖ 100 mn investment by Ministry of Food Processing to create world class food science and technology research and education initiative
- ❖ Centre to be located near Delhi - Kundli, Sonapat, Haryana

NIFTEM Activity Focus

- ❖ Research
- ❖ Education
- ❖ Extension and Outreach
- ❖ Continuing education
- ❖ Technology & Enterprise Incubation
- ◆ The challenge lies in creating an organizational eco system and innovative infrastructure where we seamlessly integrate these related activities.

NIFTEM initiative - Core Activities undertaken

Research :

- ❖ NIFTEM will focus on specific upstream and downstream research in food science, technology and nutrition.

Course Delivery :

- ❖ NIFTEM will provide core courses in the area of food science and technology with relevant and contemporary courses through network of institutional linkages shaping managers for the food industry.

Centre for Continuing Education

- ❖ The continuing education programmes will assist the food industry to re-skill their personnel
- ❖ Enable the academia to engage in experiential learning

Extension and Outreach :

- ❖ NIFTEM will initiate significant outreach support to communities in the areas of
 - ◆ Product development
 - ◆ Food safety
 - ◆ Food standards
 - ◆ Quality systems
 - ◆ Food regulations and food policy

Enterprise Incubation

- ❖ NIFTEM to function as the apex institution in India possessing state-of-the-art facilities for technology validation and enterprise incubation.
- ❖ The ultra modern facility housing advanced pilot plants for dairy, meat, grains, fruits and vegetables processing.
- ❖ Customized incubation space for start-ups and established enterprises contributing significantly to enterprise development and technology transfer efforts.
- ❖ The economic gains from such enterprise development will be significant at the national and international levels.

Experiential Learning

- ❖ Enterprise Internship
- ❖ Seminar
- ❖ Entrepreneurship programme
- ❖ Research - Paper publication
- ❖ Exchange programme
- ❖ Business Incubator internship programme

Research framework in NIFTEM

- ❖ Faculty led basic and applied research - Internal funded (Intramural).
- ❖ Faculty led basic and applied research - Collaborative and sponsored research (Extramural).
- ❖ A fair balance of up-stream and down-stream research.
- ❖ Currently none of the Indian institutions are participating in global food science research consortiums, though it is routinely done in plant science and human health.
- ❖ NIFTEM faculty will engage in global research partnerships to trigger knowledge creation in frontier food science arena.



Synergy of Research & Education

- ❖ Student supported research - Students will engage in research during the last two years of Under-graduation, graduation and the Ph.D. programmes.
- ❖ Post-Doctoral support professionals for research in food science, technology and food enterprise creation.
- ❖ Social sciences and enterprise management research carried out by Social Scientists and Management professionals.
- ❖ Ph.D. students engage in course work and research work.
- ❖ Anticipated Research outcome : Capture of intellectual assets, publications, technology archiving for transfer to industry, public good research application through extension initiatives and benefit sharing for up-stream international collaborative research. Support to policy planners and Regulators.



Several New Opportunities for Careers in Food Science

- ❖ Product Development Scientist
- ❖ Food Microbiologist or Food Safety Expert
- ❖ Quality Assurance Manager
- ❖ Food Ingredient Manager
- ❖ Health and Nutrition Specialist
- ❖ Food Fermentation Specialists
- ❖ Sensory Scientist
- ❖ Food Chemist
- ❖ Food Process Engineer
- ❖ Food Regulatory Affairs Specialist
- ❖ Food Biotechnologists

Opportunity in Food Processing (basic food, snack food, beverages, meat, winery, dairy et al) Food service sector, supply chain, Post harvest, food retailing, food regulations and health and wellness service providers.

Opportunity for overseas employment.



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