

knowledge  
partner

**BHASKARACHARYA COLLEGE OF APPLIED SCIENCES  
(UNIVERSITY OF DELHI)**

Organizer



and

**FOUNDATION FOR INNOVATIVE PACKAGING AND  
SUSTAINABILITY (FIPS), MUMBAI**

jointly announces

ONLINE SHORT TERM(40 HOURS) CERTIFICATE PROGRAM  
ON

## **INNOVATIVE PACKAGING AND SUSTAINABILITY**

(Under the Aegis of IQAC)



**Duration:**

**July-August  
( 40 hours course)**

**Commencing form  
26th July 2021  
(tentatively)**

**Course Fee:**

**For Students: Rs 1000 plus 18% GST(Rs. 1180)**

**For Industry professionals: Rs 5,000 plus 18% GST(Rs. 5900)**

## **ABOUT THE COLLEGE**

**Bhaskaracharya College of Applied Sciences is a constituent college of the University of Delhi and is fully supported and funded by the Government of NCT, Delhi. The college is accredited by NAAC with "A" grade and also received a "STAR College Status" from DBT, Government of India. Currently, the college has fifteen departments and offers eleven undergraduate courses in various disciplines of sciences and applied sciences. The college believes in holistic education that goes beyond achieving academic excellence and vocational training.**

**For more details visit: <https://bcas.du.ac.in/>**

## **ABOUT FIPS**

**Foundation for Innovative Packaging and Sustainability (FIPS) is a non-government not-for-profit organization registered under Section 8(1) of the Companies Act 2013 (CIN:U85300MH2020NPL345503).It was established on 7th September 2020 with a vision to provide Sustainable solutions to the targeted group of Society and industries through Scientific and innovative Packaging technology and to create awareness for circular economy to save the Planet. FIPS intends to progress systematically to achieve the vision tangibly by creating partnerships with R&D institutions, Colleges, Universities, NOGO's, Gram panchayats, co-operative societies, State and Central Government agencies/ organizations and MSME segments through Research and Development, Skill Development and knowledge revitalization programs for its customers, promotion of transitional R&D in collaboration with the relevant industries, developed by any educational institutes/ R&D organizations for upgradation of social needs, benefits and living.**

**For more details visit: <https://f-ips.org/>**

## **MOTIVATION AND OBJECTIVE**

**Bhaskaracharya College of Applied Sciences (under the University of Delhi), is one of the few colleges which offers applied science courses such as B.Sc. (H) Polymer Science and B.Sc. (H) Food Technology. Both of these courses involve study of packaging of all kinds of products. Besides the above mentioned courses, our college offers other B.Sc. courses that are also associated with material science where Innovative Packaging and Sustainability would be of relevance and the students of these streams would also be able to avail benefits from this course. Considering this, it is planned to jointly organize a Short term Online Certificate Program on the topic "Innovative Packaging and Sustainability".**

**The main objective of this training program is to disseminate the information about the latest trends & technology in "packaging" due to which we are able to maintain the quality of products for longer periods of time and to impart knowledge of Packaging which will definitely benefit the Undergraduate students of Bhaskaracharya College as well as all the participants from various colleges, universities and industries.**

## **ABOUT THE COURSE**

**The Classroom sessions will be conducted through Online mode by the eminent faculty members of Foundation for Innovative Packaging and Sustainability. The total 40 hours of the course is divided into theoretical sessions of 30 hours and practical sessions of 10 hours. Two hours classes will be conducted 4 days per week to complete the course content.**

## **COURSE CONTENT:**

- **Introduction to Packaging- its functions, Components & classification.**
- **Paper, paper board & Corrugated Fiber board boxes- its manufacturing process, properties and application.**
- **Polymeric Materials – Structure & Properties, Types of Plastics materials- rigid, semi rigid and flexibles, Polymer Processing for package development, Properties– Rheology, physical, Chemical, mechanical, Optical, Barrier properties and Advance Polymeric materials – Bio-polymers, Biodegradable polymers, processing and efficacy**
- **Glass and Metal Containers- types, properties and application.**
- **Concept of Package Design and its importance, Pre-Press Operations for printing**
- **Concept of Food packaging, packaging of Fresh and Processed food products, Estimation of Shelf life and marketing opportunity for fresh and processed foods.**
- **Packaging of Pharmaceutical Products-Oral, liquid, Gel, MP and other regulatory compliance for pharmaceutical products, Cosmetics and Toiletries.**
- **Role of Packaging for Marketing**
- **Testing and evaluation of Metal and Glass Containers**
- **Importance of Logistics and supply chain management, Packaging laws and regulations.**
- **Sustainability concepts in Packaging Industry, Concepts and benefits of sustainable packaging,**
- **Packaging materials & Environmental impact, LCA in packaging to evaluate end-of-life scenario.**
- **In addition, there will be Video Sessions on Plastics Processing, Printing operation, Packaging Machinery Operation Package Testing and Evaluation and Visit to Plastics Recycling process.**

## **WHO ALL CAN APPLY?**

Undergraduate and Post Graduate students having a background in Food Science and Technology, Polymer Science, Material Science and home Sciences; academicians from any Colleges and Universities as well as the executives engaged in production, purchase, quality control, R&D and marketing department of Food processing and packaging industry can participate in this program.

## **WHY SHOULD I ATTEND THIS COURSE?**

- To improve skill and knowledge on materials, machinery, process and technology used for packaging of various products.
- To interact with industry professionals and leading figures of the industry.
- To take a glimpse into packaging industries through virtual industry visit.
- This course will follow similar curriculum to that of diploma courses offered by some reputed colleges.

## **WHAT WILL I GAIN FROM THIS COURSE?**

- Based on the evaluation score of a Quiz (20 marks) and written examination (80 marks) that will be conducted during the course, the Candidates will be awarded "MERIT CERTIFICATE". This would help the individual candidate to enhance their Resume.
- A sustainable perspective on packaging.
- Gain knowledge about innovations in the field of packaging
- Get to know about the opportunities in the field of packaging.

## HOW TO APPLY FOR THIS COURSE?

Following steps are to be followed to get yourself registered:

- Deposit the respective course fee in the the below mentioned bank account by any of the online payment methods such as net banking, google pay, payTM, UPI,etc.

**Name of Account Holder : FOUNDATION FOR INNOVATIVE PACKAGING AND SUSTAINABILITY**

**Name of Bank : ICICI Bank**

**Name of the Branch : Galleria Hiranandani Gardens, Powai, Mumbai-400076**

**Account Number : 002005041361**

**IFSC Code : ICIC0000020**

- Take a screen-shot of the payment receipt(or any proof of the payment).
- open up the google form by clicking "here" or pasting the following URL in your browser:  
[https://docs.google.com/forms/d/e/1FAIpQLSdUH\\_epwV1YrBIKmkbfd49LXYxje7ckV5PtylYxFh3XGKmWFw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdUH_epwV1YrBIKmkbfd49LXYxje7ckV5PtylYxFh3XGKmWFw/viewform?usp=sf_link)
- Submit your personal details and upload the payment receipt while filling the google form.
- We will cross-check your payment and send you a confirmation e-mail.

**And voilà you are registered.**

# ORGANIZING TEAM



**Patron:**

***Prof. Balram Pani***

Principal, Bhaskaracharya College of Applied Sciences  
and  
Dean of colleges, University of Delhi

**Course Co-ordinator:**

***Dr Susmita Dey Sadhu***

Associate Professor, Department of Polymer Science  
Bhaskaracharya College of Applied Sciences  
University of Delhi  
(email: susmitadey.sadhu@bcas.du.ac.in)  
(Ph:9910028035)

**Course Co-ordinator:**

***Dr Meenakshi Garg***

Associate Professor, Department of Food Technology  
Bhaskaracharya College of Applied Sciences  
University of Delhi  
(email: meenakshi.garg@bcas.du.ac.in)  
(Ph:9958415333)

**Student Co-ordinator:**

***Pritish Jain***

Student, Department of Polymer Science  
Bhaskaracharya College of Applied Sciences  
University of Delhi  
(email: pritishjain2001@gmail.com)

## EMINENT FACULTY



**Prof. (Dr.) N.C. Saha**  
Founder Chairman FIPS  
Former Director IIP  
Mumbai



**Prof. (Dr.) Anup K. Ghosh**  
Department of Material Science &  
Engineering, IIT Delhi  
Director ( Research & Training), FIPS



**Mr. Deepak Manchanda**  
Packaging Professional  
Chief Consultant FIPS



**Mr. Mrinal K. Banerjee**  
Former Director, EPL Ltd  
Director (Innovation), FIPS



## EMINENT FACULTY



**Mr. Shailendra Singh**  
Expert Sustainability &  
Chief Consultant, FIPS



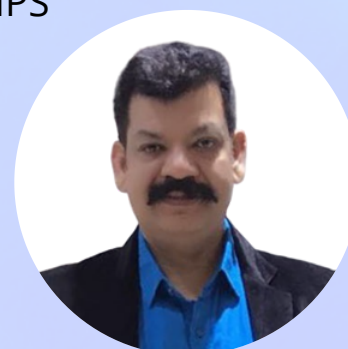
**Mr. Subhas Bhattacharjee**  
Food Processing Expert &  
Chief Consultant, FIPS



**Mr. Rahul Bhargava**  
Packaging Professional &  
Chief Consultant, FIPS



**Mr Deepak Mehta**  
Managing Director- Leevam &  
Thought Leader FIPS



**Mr Radha Mohan Gupta**  
Regional Procurement Director – South Asia  
Reckitt Benckiser India Ltd.

**HURRY UP!!!!**  
**LIMITED SEATS ARE AVAILABLE**  
**LAST DATE TO APPLY FOR THIS COURSE IS 10 JULY 2021**  
**INTERESTED PARTICIPANTS ARE REQUIRED TO REGISTER AS SOON AS POSSIBLE**  
For queries, reach us out at : [pisbcas2021@gmail.com](mailto:pisbcas2021@gmail.com)