



Department of Commerce  
Ministry of Commerce and Industry  
Government of India



भारतीय पैकेजिंग संस्थान  
Indian Institute of Packaging

An autonomous body under the Ministry  
of Commerce & Industry, Govt. of India  
Bengaluru Centre



# Certificate in Applied Packaging (CAP)

Launch your packaging journey with our 6 months online program

## PROSPECTUS 2026 – BATCH 2

 Apply now

<https://forms.gle/9BABm16pxFi7jQVDA>

## **1. Scope:**

This packaging course aims to provide a solid foundation in packaging principles. Upon completion, participants will be able to:

- Understand the basic concepts of packaging, including its functions, materials, and design elements.
- Identify suitable packaging materials based on product characteristics and market requirements.
- Learn about packaging regulations and standards relevant to the Indian market.
- Know the fundamentals of packaging design and the factors such as product protection, cost-effectiveness, and consumer appeal.
- Acquire knowledge of basic packaging testing methods to ensure product quality and safety.
- Gain insights into sustainable packaging practices, product marketing, branding and how to make informed packaging decisions.

## **2. Eligibility:**

To enroll in this certificate program, applicants must meet **any one** of the following criteria:

- Educational Qualification: Applicants shall possess any degree or a diploma from a recognized institution. B. Tech/BE graduates are not eligible.
- Entrepreneurs/Businesses/Start-ups etc.: Applicants have to produce a valid registration certificate of their entities.

## **3. Course duration & conduct:**

- Course duration: 6 months
- Class schedule: 5 sessions per week, 1.5 hours/session
- Session timings: Evening 7:00 PM - 9:00 PM IST and Weekends, if required
- Practical components: A one-day laboratory demonstration at various centres of IIP
- Project work: 2 weeks\*\*

\*Participants will have to visit their nearest IIP Centre. This will be planned with the consent of participants ensuring convenience for all.

\*\*Participants will undertake a packaging-related project aligned with their industry/interest and prepare a dissertation or review article based on relevant research.

Upon completion, a project report must be submitted for evaluation. A project presentation and viva voce examination will be conducted.

#### 4. Fee Structure:

S. No.	Details	Amount (₹.)	GST 18% (₹.)	Total (₹.)
1	Registration fee	500/-	90/-	590/-
2	Admission fee	5,000/-	900/-	5900/-
3	Course fee	25,000/-	4,500/-	29,500/-
<b>Total fees</b>				<b>35,990/-</b>

- The fees can be paid in two instalments of ₹.17,700/- each.
- Participants must ensure full fee payment within the stipulated time.
- Fee for overseas candidates - US \$1000/- (Including Form Fee & Service Tax)

#### 5. Syllabus:

Modules	Title	Examination
1	<b>Introduction to Packaging:</b> Introduction & Status of Packaging Industry (India & Global scenario), Fundamentals of Packaging, Functions of Packaging, Levels of Packaging (Primary, Secondary, Transport), Consumer & Industrial packaging.	
2	<b>Packaging Materials and its Manufacturing:</b> Manufacturing & Properties of Paper & Paper board, Glass, Metal, Plastic, Wooden, Composite and Ancillary Packaging Materials.	Paper 1
3	<b>Product Packaging:</b> Sectors covering Food, Automobile, Pharmaceutical, Cosmetics, other FMCG and Industrial Packaging - Requirements, Materials, Design, Regulations, Testing and other critical considerations.	

Modules	Title	Examination
4	<p><b>Packaging Machinery &amp; Technologies:</b> Introduction to Packaging Machinery: Classification based on functionality, Filling Machines, Labelling Machines (Pressure-sensitive, Shrink Sleeve), Cartoning and Case Packing Machines, Aseptic Packaging, Sealing Technologies (Heat, Ultrasonic, Adhesive), Coding and Marking Technologies, Automation &amp; Control Systems in Packaging Lines.</p>	
5	<p><b>Printing and Printing Inks:</b> Major Printing Methods (Flexography, Gravure, Offset, Digital) strengths, limitations &amp; applications of each printing method, Factors Influencing Printing Method Selection, Composition, types and properties of Printing Inks.</p>	Paper 2
6	<p><b>Introduction to Packaging Design and Development:</b> Introduction to Packaging Design, Structural Design, Considerations, Branding and Graphics Design, Future Trends &amp; Industry Outlook.</p>	
7	<p><b>Packaging Standards, Laws &amp; Regulations:</b> National regulations (IS, APEDA, EIC, FSSAI, Indian pharmacopeia), International regulations (USFDA, EU), Compliance Requirements for Quality, safety etc. (GMP, ISO), Packaging Regulations - Environmental Considerations (PWM Rules, EPR, CSR etc.).</p>	
8	<p><b>Testing and Quality Evaluation of packaging:</b> Introduction to Material &amp; Package Testing (Physical, Mechanical, Chemical, Barrier/Environmental), Testing and evaluation of paper and paper board, glass, metal, plastic and other packaging materials, Laboratory demonstration.</p>	Paper 3

9	<b>Sustainability, Trends and Innovations in Packaging:</b> Sustainable Packaging Materials and Practices, Life Cycle Assessment (LCA), Design for Recycling & Composting, Emerging Technologies & Materials, Smart & Connected Packaging Solutions.	<b>Paper 3</b>
10	<b>Overview of Packaging Selection and Procurement:</b> Factors for material selection, Costing, Sourcing & Procurement Strategies, Case Studies.	

## 6. Assessment:

The course will include a comprehensive assessment to evaluate participants' learning outcomes. This includes:

- Knowledge-based assessments
- Project-based assessments

<b>S. No.</b>	<b>Particulars</b>	<b>Marks</b>
(i)	<b>Paper - 1</b>	100
(ii)	<b>Paper - 2</b>	100
(iii)	<b>Paper - 3</b>	100
(iv)	<b>Project Report</b>	100
(v)	<b>Project Presentation &amp; Viva Voce</b>	100
<b>Total</b>		<b>500</b>

- Online Examinations will be conducted on the completion of respective papers. Project presentation & Viva-Voce will be conducted at the end of the course.
- Candidates are required to pass all the examinations and successfully complete the project work to obtain the certificate.
- Candidates with minimum 75% attendance will be allowed to appear for the examinations. (A prior notification will be given to the candidate about the exam schedule.)
- Further, a candidate must obtain at least 40% marks in each paper and at least 50% as aggregate to obtain Certificate. The grading system is as follows;
  - A - 70% and above First Class with distinction
  - B - 60% and above but less than 70% First Class
  - C- 50% and above but less than 60% Second Class

## **7. Certification:**

After successful completion of the course, the candidates will be awarded with the certificate by the **Indian Institute of Packaging**.

## **8. Cancellation of Admission:**

- For cancellations before commencement of the Course - 10% of the fees paid will be forfeited and balance will be refunded.
- There will be no refund of fees after the commencement of the Course.

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**Indian Institute of Packaging-  
Bengaluru centre**

**VISIT US AT**

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