



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/QKp7qrqrY3bPMguq6>



## 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/-   |
| Total fees |                  |             |              | 35,990/-   |

- 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. | Paper 1     |
| 2       | <b>Packaging Materials and its Manufacturing:</b> Manufacturing & Properties of Paper & Paper board, Glass, Metal, Plastic, Wooden, Composite and Ancillary Packaging Materials.  |             |
| 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       | <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 & Control Systems in Packaging Lines. | Paper 2     |
| 5       | <b>Printing and Printing Inks:</b> Major Printing Methods (Flexography, Gravure, Offset, Digital) strengths, limitations & applications of each printing method, Factors Influencing Printing Method Selection, Composition, types and properties of Printing Inks.   |             |
| 6       | <b>Introduction to Packaging Design and Development:</b> Introduction to Packaging Design, Structural Design, Considerations, Branding and Graphics Design, Future Trends & Industry Outlook.   |             |
| 7       | <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.).   | Paper 3     |
| 8       | <b>Testing and Quality Evaluation of packaging:</b> Introduction to Material & Package Testing (Physical, Mechanical, Chemical, Barrier/Environmental), Testing and evaluation of paper and paper board, glass, metal, plastic and other packaging materials, Laboratory demonstration.   |             |



|    |  |                |
|----|--|----------------|
| 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

| S. No.       | Particulars                                 | Marks      |
|--------------|---|------------|
| (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.

## FOR MORE UPDATES, FOLLOW US ON



**Indian Institute of Packaging-  
Bengaluru centre**

## VISIT US AT

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