



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/9BABm16pzFi7jQVDA>

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	Introduction to Packaging: 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	Packaging Materials and its Manufacturing: Manufacturing & Properties of Paper & Paper board, Glass, Metal, Plastic, Wooden, Composite and Ancillary Packaging Materials.	
3	Product Packaging: Sectors covering Food, Automobile, Pharmaceutical, Cosmetics, other FMCG and Industrial Packaging - Requirements, Materials, Design, Regulations, Testing and other critical considerations.	

Modules	Title	Examination
4	Packaging Machinery & Technologies: 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	Printing and Printing Inks: 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	Introduction to Packaging Design and Development: Introduction to Packaging Design, Structural Design, Considerations, Branding and Graphics Design, Future Trends & Industry Outlook.	
7	Packaging Standards, Laws & Regulations: 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	Testing and Quality Evaluation of packaging: 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	Sustainability, Trends and Innovations in Packaging: Sustainable Packaging Materials and Practices, Life Cycle Assessment (LCA), Design for Recycling & Composting, Emerging Technologies & Materials, Smart & Connected Packaging Solutions.	Paper 3
10	Overview of Packaging Selection and Procurement: 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)	Paper – 1	100
(ii)	Paper – 2	100
(iii)	Paper – 3	100
(iv)	Project Report	100
(v)	Project Presentation & Viva Voce	100
Total		500

- 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**

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