

Product Development in the Industry Curriculum Development Workshop

This on-site, 2 day workshop aims to help faculty integrate Industrial Product Development topics into their curriculum, potentially as a 1- to 3-credit course with hands-on projects, with support from IUCEE Industry Experts

Key Differentiators

Industry-aligned curriculum: Understand the latest product development processes

Hands-on exercises: Practice on Industry-relevant tools

Project Management: It's role in product development.

'Soft' aspects: Supply chain, certifications, and warranty.

New tech: Role of AI in product development.

Case-studies: student projects and in-class case studies.

Workshop Features



Product Development Fundamentals

Explore the interdisciplinary and collaborative aspects of product creation.



Core Skills & Key Success Factors

Develop problem-solving and teamwork skills, and understand factors affecting development outside of design.



Practical Tools & Hands-on Learning

Learn about modern tools, AI integration, and apply concepts through practical case studies and projects.

Additional Info

Target Audience

- Faculty from core disciplines such as mech, electrical, E&TC, mechatronics, automobile, aerospace, chemical, etc.

Course Target and Duration

- The course is intended for students of 6/7/8th semester and may be designed as a 1/2/3-credit course

IUCEE Support

- Faculty develop curriculum with IUCEE expert inputs.
- Faculty lead instruction with IUCEE support for design and BOS review
- IUCEE experts guest lectures, mentoring support

Faculty

- Dr. Raviprakash Salagame
(formerly Aptiv, GE, IBM)
- Dr. Ardhendu Pathak
(formerly Airbus, GE)