



Autonomous College, Permanently Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE & UGC, Accredited by NAAC with 'A' Grade, Accredited by NBA



A Report

AICTE IDEA Lab – Faculty Development Programme IPR & Product Developments

A Six day – Faculty Development Programme IPR & Product Developments Program was successfully organized at New Horizon College of Engineering under the initiative of the AICTE IDEA LAB and the Department of Research and Development.

Chief Mentor : Dr. Manjunatha, Principal

Faculty Coordinator : Dr. Revathi V, Dean R&D

Faculty Co Coordinator : Dr. A. Sujin Jose, Associate Professor- R&D/Mech

Date : 8 June 2026 to 13 June 2026

Participants : Faculty members of New Horizon College Of Engineering

Trainers : Mr. Vineeth Kumar S. R, Ms. Suganya Sundararajan, Mr. Sridhar R, Dr. Sarasija Padmanabhan, Mr. Dhruva Jyoti Bharali, Ms. Anjana Bisht, Dr. Agalya V, Dr. Praveen Kumar T.N, Ms. Jinsu Abraham, Ms. Sunethra, Mr. Sudharm Mehta, Dr. A. Sujin Jose

Objectives

- Introduce the fundamentals of Intellectual Property Rights (IPR), including patents, copyrights, trademarks, and design protection.
- Develop creative thinking, innovation, and product development skills among faculty members.
- Create awareness about protecting and commercializing innovative ideas and products.
- Provide practical exposure to the product development process, from idea generation to prototyping.
- Provide hands-on experience with prototyping tools and technologies for developing innovative products.

Overview

- The program aimed to create awareness among faculty about Intellectual Property Rights (IPR) and its importance in protecting innovative ideas, inventions, designs, and products. Through interactive sessions and case studies, participants gained an understanding of patents, copyrights, trademarks, and design protection.
- The program also provided practical exposure to the product development process, covering idea generation, product design, prototyping, and commercialization. Hands-on activities enabled faculty members to understand how innovative ideas can be transformed into functional products while ensuring appropriate IPR protection.

Day 1: 08/06/2026

Trainer: Mr. Vineeth Kumar S. R, Ms. Suganya Sundararajan and Mr. Sridhar R

Venue : Tejas Seminar Hall

On Day 1, the speaker introduced the fundamentals of Intellectual Property Rights (IPR) and explained its importance in promoting and protecting innovation. The session covered various forms of IPR, including patents, copyrights, trademarks, and industrial designs, along with their purpose and applications. Participants were also introduced to the basic process of identifying and protecting innovative ideas and inventions. The session helped faculty members understand the significance of IPR in research, product development, commercialization, and technology transfer.

This was followed by expert sessions on patentability criteria by Ms. Suganya Sundararajan, who provided detailed insights into the essential requirements for an invention to qualify for patent protection, including novelty, inventive step, and industrial applicability. The session helped participants understand how to assess the patentability of their innovative ideas and research outcomes. An expert session on patent filing and prosecution processes was conducted by Mr. Sridhar R, who explained the various stages involved in preparing, filing, and prosecuting a patent application. The session also highlighted important aspects of patent documentation, examination, and responding to patent office requirements. These sessions provided faculty members with practical knowledge and encouraged them to protect and commercialize their innovative ideas through appropriate IPR mechanisms.



Day 2: 09/06/2026

Trainer: Dr. Sarasija Padmanabhan

Venue : Tejas Seminar Hall

On Day 2, Dr. Sarasija Padmanabhan conducted detailed and informative sessions on various patent search techniques, including semantic search, classification search, and hybrid search. The session explained the importance of conducting a comprehensive prior-art search to identify existing inventions and determine the novelty of a proposed idea before initiating the patent filing process. Participants were introduced to effective search strategies and practical methods for locating relevant patent documents and technical information. Through practical demonstrations, examples, and interactive discussions, the session enabled faculty members to develop the skills required to conduct systematic patent searches and evaluate the novelty and relevance of their innovative ideas.

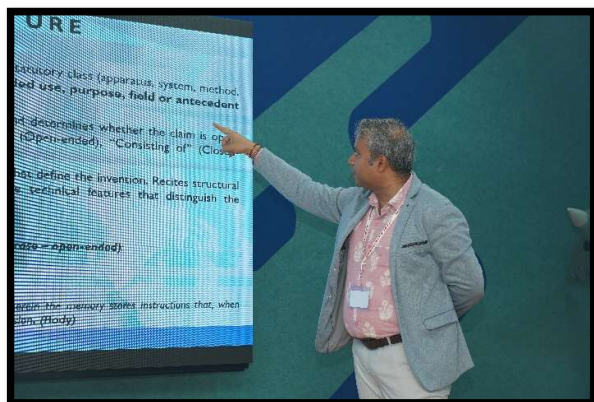


Day 3: 10/06/2026

Trainer: Mr. Dhruva Jyoti Bharali, Ms. Anjana Bisht and Dr. Agalya V

Venue : Computer Science Lab

On Day 3, the sessions focused on patent drafting and the patentability of computer-related inventions. Mr. Dhruva Jyoti Bharali conducted detailed sessions on patent application drafting and claim drafting, explaining the structure of a patent application, essential elements of a patent specification, and the importance of framing clear, precise, and legally appropriate claims. The session helped participants understand how technical innovations can be effectively presented and documented for patent protection. Ms. Anjana Bisht conducted a session on the patentability aspects of computer-related inventions, discussing the key requirements, challenges, and considerations involved in obtaining patent protection for software and technology-based innovations. The theoretical sessions were further supported by practical patent drafting exercises conducted by Dr. Agalya V, where participants gained hands-on experience in preparing patent applications, developing patent claims, and applying the concepts learned during the sessions.



Day 4: 11/06/2026

Trainer: Dr. Praveen Kumar T.N, Ms. Jinsu Abraham, Ms. Sunethra and Mr. Sudharm Mehta

Venue : Tejas Seminar Hall

On Day 4, the sessions focused on claim support, patent prosecution, and Technology Readiness Levels (TRLs), providing participants with a deeper understanding of the later stages of the patenting and product development process. Dr. Praveen Kumar T.N. conducted a session on the requirements for sufficient disclosure, explaining the importance of providing complete, clear, and technically adequate information to support the claims made in a patent application. This was followed by detailed sessions on drafting

responses to First Examination Reports (FER) by Ms. Jinsu Abraham and Ms. Sunethra. The sessions covered the importance of understanding patent examiner observations, addressing objections appropriately, and preparing clear and technically supported responses during the patent examination process. Practical examples helped participants understand common challenges encountered during patent prosecution. The day concluded with a session on Technology Readiness Levels (TRLs) by Mr. Sudharm Mehta. The session explained the different stages of technology development, from initial concepts and research to prototype development, validation, and commercialization. It helped participants understand how TRLs can be used to evaluate the maturity and readiness of innovative technologies and products for real-world applications.



Day 5: 12/06/2026

Trainer: Dr. Vijay Singh and Ms. Brinda K. Varma

Venue : Tejas Seminar Hall

On Day 5, the sessions focused on technology commercialization and intellectual property strategy, helping participants understand how innovative ideas and patented technologies can be transformed into practical and market-oriented products. Dr. Vijay Singh provided valuable insights into various commercialization pathways, including technology transfer, licensing, partnerships, and other approaches for taking innovations from the laboratory to the market. This was followed by a session by Ms. Brinda K. Varma on IP deal structures, where participants were introduced to the key elements involved in structuring intellectual property-related agreements and collaborations. The session highlighted the importance of effective IP management, negotiation, licensing, and protection of intellectual assets while entering into business or technology partnerships. Overall, the sessions provided participants with a better understanding of how IPR can contribute to the successful commercialization and economic value of innovative products and technologies.



Day 6: 13/06/2026

Trainer: Dr. A. Sujin Jose

Venue : IDEA Lab

Dr. Sujin Jose A shared inspiring faculty success stories in patents and industry collaboration, highlighting how academic research and innovative ideas can be transformed into practical solutions through effective IPR protection and industry partnerships. The session provided participants with insights into successful patenting journeys, technology transfer, and collaboration with industries for further development and implementation of innovative concepts. The session also focused on product development and the equipment required for prototyping and fabrication. Participants were introduced to the importance of selecting suitable tools and technologies at different stages of product development, from concept creation and design to prototyping and final product development. The practical insights helped faculty members understand how available laboratory equipment can be effectively utilized to convert innovative ideas into functional prototypes and industry-oriented products.



Outcomes

- Enhanced understanding of IPR, patentability, patent search, drafting, filing, and prosecution processes.
- Developed practical skills in conducting prior-art searches and preparing patent applications and claims.
- Improved awareness of IP commercialization, licensing, industry collaboration, and IP strategies.
- Gained knowledge of Technology Readiness Levels (TRLs) and their importance in product development.
- Developed practical understanding of product development, prototyping, and selection of suitable equipment and technologies.
- Enhanced faculty capabilities to protect, develop, and commercialize innovative ideas and research outcomes.

Conclusion

The Faculty Development Programme on IPR & Product Development provided participants with valuable knowledge and practical insights into intellectual property protection, patenting, commercialization, and product development. The expert sessions and practical activities helped faculty members understand the complete journey from innovative idea generation and patent protection to prototyping and commercialization. The programme also enhanced awareness of industry collaboration, technology readiness, and effective utilization of prototyping facilities. Overall, the programme strengthened the participants' ability to protect innovative ideas, develop functional products, and transform research outcomes into industry-relevant solutions.