

DRONACHARYA Group of Institutions

B-27, Knowledge Park – III, Greater Noida, Uttar Pradesh – 201308
Approved by: All India Council for Technical Education (AICTE), New Delhi
Affiliated to: Dr. A. P. J. Abdul Kalam Technical University (AKTU), Lucknow

Name of the Subject: Web Technology

Faculty Name: Dr. Bipin Pandey

Innovation Practices: Project Based Learning

Students Involved: 6th Semester

Project-Based Learning (PBL) in web technology education immerses students in real-world, hands-on projects to develop and apply their knowledge of web development tools, frameworks, and practices. This approach integrates practical experience with theoretical understanding, fostering problem-solving, collaboration and creativity skills in web development.

By working on real-world projects, students develop essential skills such as critical thinking, problem-solving, collaboration, communication, and time management. PBL fosters deeper understanding and retention of concepts, improves academic performance, and prepares students for professional environments. It also promotes personal growth, confidence, and self-directed learning, while developing 21st-century skills like media literacy, information literacy, and global awareness. Moreover, PBL supports diverse learning needs, accommodates different learning styles, and provides opportunities for students to create portfolio-worthy projects, making them career-ready. Through PBL, students learn to apply theoretical knowledge to practical scenarios, think creatively, and innovate, ultimately

becoming more engaged, motivated, and prepared for success in academics, careers, and beyond.

