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Department of Electrical Engineering

Programme Outcomes (POs)

Program Outcomes (POs) - B. Tech. Electrical Engineering

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Department of Electrical Engineering

Vision & Mission

Programme Educational Objectives

Programmes Offered

Department Faculty & Staff

Minutes of the meeting of BOS

Laboratories

Programme Outcomes (POs)

Research Scholars

Research Publications

Departmental Activities (Events)

Curriculum and Syllabi

Department Highlights

Study Material



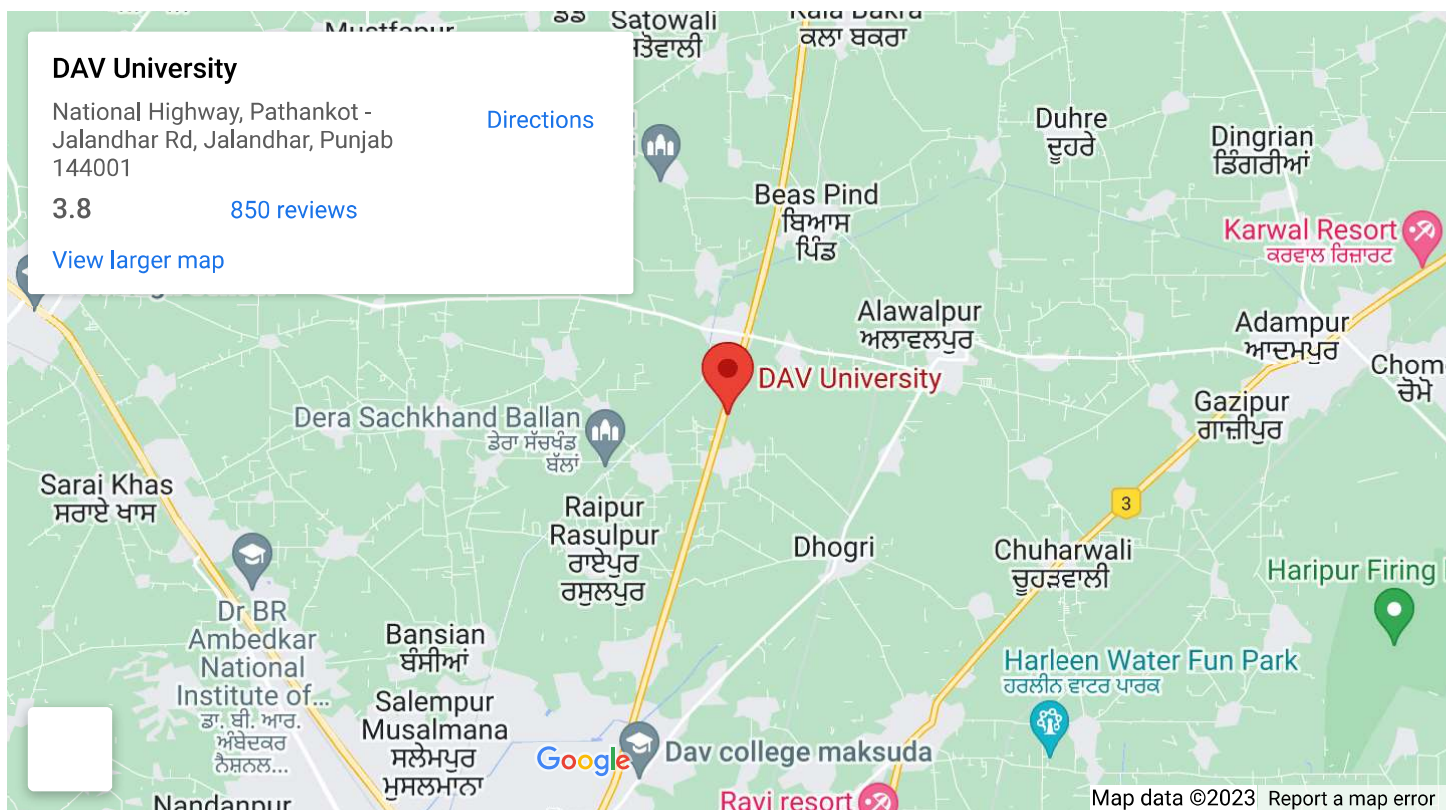
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144001



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MISSION

To facilitate the society to have a broad, encompassing access to knowledge and education, and to assist individuals unravel deeper dimensions of learning and experimentation. To enable students become imaginative, integrated beings who constructively and creatively contribute to environment and society and who ...

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VISION

To ardently seek, consider and implement latest nuances, developments and innovations in Sciences, Languages, Engineering and Technology, Business Studies and Computer Sciences in order to ensure that students develop a holistic acumen for making strategic and judicious decisions in the ...

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