



Government Engineering College, Valsad

Report

Resume Building through AI & Career Guidance

A session on “**Resume Building through AI & Career Guidance**” was organized for engineering students on 01/07/2026 at Electrical Department with the objective of Identify Core Engineering Career Paths, Understand Competitive Examination Frameworks, Master AI Prompt Engineering, Leverage AI for Resume Building by Dr. K. L. Mokariya, Associate Professor, EED.

The session includes emphasized mastering programming languages (C, C++) for hardware-software integration, circuit design simulation (MATLAB, LTSpice, PCB design), power distribution/smart grids, and control systems dynamics, Highlighted career pathways across core power grids, industrial automation and robotics, semiconductor/VLSI embedded systems, renewable solar/wind integration, and tech/analytics roles.

The session also aware regarding Public Sector & Competitive Examinations like **GATE & ESE/IES**: Detailed direct recruitment pathways into PSUs, higher studies at IITs via GATE, and Class-I government officer positions via UPSC ESE/IES. **Civil Services (GPSC & UPSC)**: Reviewed the 3-stage selection process (Prelims, Mains, Interview) and highlighted the negative marking rule per wrong answer in objective prelims papers.



The interaction also differentiated between invention (creating a brand-new idea) and innovation (turning an invention into a commercial solution), along with the legal frameworks of Intellectual Property Rights

The session highlighted the Resume Building through Artificial Intelligence Defined prompt engineering as the strategic practice of designing, refining, and structuring text inputs to guide generative AI models toward accurate and contextually relevant outputs. Instructed students on incorporating key prompt parameters: persona setting, structural constraints, and few-shot examples to achieve predictable, high-value outcomes. AI-Powered CV Creation using Canva: Demonstrated how AI tools like Canva Magic Write analyze raw academic/career histories alongside target job descriptions to auto-generate tailored summaries, bullet points, and industry keywords, **ATS Compliance**: Explained how automated keyword integration ensures resumes pass through Applicant Tracking Systems (ATS) and initial HR screening filters, **Visual Layout & Formatting**: Guided students on mapping AI-generated text onto Canva's professional templates using drag-and-drop tools to maintain proper visual hierarchy, typography, and spacing.

Overall, This session bridged academic orientation with practical career planning and modern digital tool usage. Students gained clarity on career choices across core engineering industries and public services while learning the exact examination requirements for technical and civil service roles. Furthermore, by introducing AI prompt engineering and Canva's AI Resume Builder, the session provided students with the practical skills needed to curate ATS-friendly, visually professional resumes tailored to current industry standards.