Electrical Engineering Report Sample

"This new edition of a quick and easy-to-read reference guide helps professionals and students learn to write effective reports. The popular ?Pyramid Method? of writing is introduced to show readers how to structure and organize their documents to create a clear and concrete writing style. Updates to the third edition include new examples, new report samples, and a more thorough description of the writing process. An expanded documentation section now includes references to both APA and MLA formats. The report section has been expanded to include a new report type, the Project Completion Report. Professionals who need to document projects and ideas efficiently and effectively will learn techniques to help them organize their thoughts into coherent, well-structured reports. This book speaks the language of the technical professional and will be of particular use to engineers, technicians, project managers, consultants, architects, and managers in fields ranging from construction to telecommunications and financial services." Sponsored by: IEEE Professional Communications Society

ENGINEERING COMMUNICATION: A PRACTICAL GUIDE TO WORKPLACE COMMUNICATIONS FOR ENGINEERS, 2E is ideal for both future and practicing engineers. Predicated on the successful dynamic analysis model CMAPP (context, message, audience, purpose and product), this practical guide provides readers with a variety of communication strategies. Engineers gain important help in creating the types of proposals, reports, memos, letters, job application documents, and digital/social media publications that are most needed for today's workplace. Interrelated case studies and exercises help readers develop the critical thinking and planning skills essential in contemporary engineering. Current and future engineers learn to evaluate important ethical and cultural considerations as they master the development of the effective business communication essential in today's careers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A companion volume and sequel to The Wiley Engineer's Desk Reference. Covers major areas regarding the technology of engineering and its operational methodology, accentuating questions of schedule and schedule maintenance. Describes professional practice skills and engineering aspects essential to success. Includes a slew of examples, checklists, sample forms and documents to facilitate understanding.

SPEAL, an acronym for Special Purpose Engineering Analysis Language, is a problem-oriented digital-computer language for circuit analysis. Input data to SPEAL is essentially technical-textbook-English rational-function-of-s network element descriptions in a free-field format and analysis requests in a free-field format. Output from the SPEAL analysis procedures are discussed and illustrated. The network functions procedure provides input impedance, transfer impedance and voltage ratio (gain) functions both in coefficient form and in pole-zero form. A.C. and D.C. analysis procedures provide network voltage, current, power and impedance variables for specified inputs. The frequency response and transient response procedures provide tabular and plotted graphical output of the function as specified. The program is intended for use by electrical engineering students and faculty as an academic and research tool. The language not only permits easy data interpretation, but also permits easy use by the person with no computer experience. (Author).

Farewell to the Good Old Days is a lively and intimate tale by David Greatrix, a man who has lived a dynamic professional life, first as an aerospace engineer and then as a professor of the subject. The book, leaning heavily on the actual life experiences of Greatrix and a number of his academic colleagues close and far away, is divided into two discrete parts; the book’s narrator for both parts is nominally a fictional consolidated representation of Greatrix, drawing from various sources in addition to the author. Part One covers the narrator’s childhood and early adulthood, followed by his moving into his years of growth as a professional breaking into the challenging field of aerospace engineering. Part Two tracks the narrator’s subsequent twenty-five-year academic career as a professor of aerospace engineering at a university in a major urban centre. Prominent in this story are the many challenges the narrator encounters in his navigation of academe in a high-profile setting for engineering education. In an emotional narrative that never strays far from various shades of humour, the narrator shares the details of his teaching and research experience at his institution, frequently bumping up against the pointy bits of an evolving cosmopolitan academic culture. In colourful detail, the narrator reveals the small successes, notable failures, unexpected events, and crushing disappointments that describe his tenure at his university. The narrator is especially candid in his revelations about episodes of betrayal. He takes aim at big targets, including the Canadian government, university administrators, and the academic superstructure as a whole. The result is an enlightening view into an individual’s complicated experience in a demanding world that serves as a microcosm of society at large.

These Proceedings provide a general overview as well as detailed information on the developing field of reliability and safety of technical processes in automatically controlled processes. The plenary papers present the state-of-the-art and an overview in the areas of aircraft and nuclear power stations, because these safety-critical system domains possess the most highly developed fault management and supervision schemes. Additional plenary papers covered the recent developments in analytical redundancy. In total there are 95 papers presented in these Proceedings.

Burnett emphasizes the importance of the process of creating a technical document, including time management and the role of collaboration. The text also stresses visuals and document design. Its comprehensive coverage details the forms of technical writing and the rhetorical process.