

Information Technology Infrastructure & Its Management

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Product Description

This book is specially designed to serve as a textbook for undergraduate students of engineering at Uttar Pradesh Technical University (UPTU). This subject has been introduced for the first time in UP technical University. We have tried our best to cover the whole syllabus. Throughout the text, it has been our Endeavour to keep the explanations and definitions as lucid as possible. This book is written exclusively with students in mind. The language is user-friendly and conducive to learning. Though every attempt has been made to avoid and check error, we will be grateful to readers if they can point out any that may have crept in inadvertently.



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Table of Contents

Chapter 1: Introduction to IT Infrastructure. **Chapter 2:** Service Delivery Process. **Chapter 3:** Service Support and Storage Management. **Chapter 4:** Security Management. **Chapter 5:** IT Ethics and Emerging Trends. **Question Bank**

Author

Shakuntala Choudhary "Shakuntala Choudhary has completed his Bachelor of Engineering & M. Tech. in Computer Science & Engg. She started her teaching career in an Engineering Education from Sri Balaji College of Engineering and Technology, Jaipur, India. And worked their as HOD of IT Department. She also served in Dronacharya College of Engineering Gurgaon. Presently she is working in Bansal Institute of Engineering & Technology, Lucknow. She has rich experience in teaching for various subject like Automata, Analysis of Algorithms, Discrete Mathematics and IT Infrastructure. She had certified by ""Faculty Enable Programme"" (FEP) at INFOSYS, Chandigarh. She has published 3 - Vol of a technical magazine ""EPISTLE"" She has published various National level technical papers and Attended various Conferences. "**Priyanka Srivastava** Priyanka Srivastava has completed his B.Tech in Information Technology & MBA (IT) from ICFAI University. She started her teaching career in engineering education from Dr. M.C. Saxena College of Engineering & Technology, Lucknow. Presently she is working as a Faculty in Bansal Institute of Engineering & Technology, Lucknow. She attended various national level Seminars and Workshops. She has experience in teaching for various subjects like C-Programming, Web Technology, Database Management and IT Infrastructure Management.

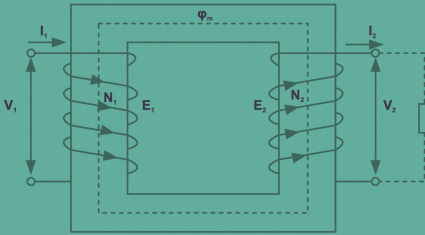


AICTE-ஆல் பரிந்துரைக்கப்பட்ட மாதிரி பாடத்திட்டத்தின் அடிப்படையிலான பாடப்புத்தகம்

விளைவு அடிப்படையிலான கல்வியுடன் இயைபு பெற்றது

தேசிய கல்விக் கொள்கை 2020

அடிப்படை மின்னியல் மற்றும் மின்னணு பொறியியல் (ஆய்வக கையேட்டுடன்)



சூசன் எஸ். மேத்யூ
சாஜி டி. சாக்கோ

Fundamentals of Electricals & Electronics Engineering (with Lab Manual)

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Product Description

“Fundamentals of Electrical & Electronics Engineering” is a compulsory paper for the first year Diploma course in Engineering & Technology Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome based education. Books covers six topics- Overview of Electronics Components and Signals. Overview of Analog Circuits. Overview of Digital Electronics, Electric and magnetic Circuits, A.C. Circuits and Transformer and Machines. Each topic is written in easy and lucid manner. A set of exercises at the end of each units to test the student’s comprehension is provided. Some salient features of the book: . Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.. The practical applications of the topics are discussed along with micro projects and activities for generating further curiosity as well as improving problem solving capacity. . Book provides lots of vital facts, concepts, principles and other interesting information. . QR Codes of video resources and websites to enhance use of ICT for relevant supportive knowledge have been provided. . Student and teacher centric course materials included in book in balanced manner. . Figures, tables, equations and comparative charts are inserted to improve clarity of the topics.. Objective questions and subjective questions are given for practices of students at the end of each unit.. Solved and unsolved problems including numerical examples are solved with systematic steps.

Table of Contents

Foreword, Acknowledgement, Preface, Outcome Based Educations, Course Outcomes, Abbreviations and symbols, List of Figures, Guidelines for Teachers, Guidelines for Students, Unit 1: Overview of Electronic Components and Signals. **Unit 2:** Overview of Analog Circuits. **Unit 3:** Overview of Digital Electronics. **Unit 4:** Electric and Magnetic Circuits. **Unit 5:** AC Circuits. **Unit 6:** Transformer and Machines. **Appendices Answer to Objective Questions Reference for Further Learning Co and PO Attainment Table Index**

Authors

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INNOVISION

The Grand Challenges of 21st Century

*Shifting from a
Knowledge Economy to
What we call an
"Imagination Economy"*



C H E L A T B H U V A N A C H A N D R A N

INNOVISION

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Product Description

With ageing, we live a short future, where young people have to live there for rest of their lives. We are comfortable with friends and memories because we know them, but not with our future because we do not know it. We see problems in opportunities, in contrast youths see opportunity in problems. With better medical care and healthy food, today's 70- years old is healthier than those in their sixties a decade back and are more wealth with savings and service benefits, opening up anew market for consumption, clothing, holidays, properties and car hire. With more than hundred sensor, AI-sensitive signals and commands, our future car will be a computer on wheels, without accidents and bodyworks, Robots will care our elders and 3-D printing will relocate production with reduced costs. A smart phone can raise the labor income by 20 percent, as it enables instant connectivity between user and provider which will raise the GDP by 10 percent. It enables quality education online at no extra cost, liberating millions from poverty, illiteracy and ill-health. Our world will become less violent and corrupted; with our problems solved with opportunities making our planet more happy and livable, we can see more open exchange of knowledge, resources, collaboration and trust than conflicts and wars.

If creativity thrives when constrained, with problems to be solved by opportunity, India with one of the largest skilled talents in her campuses will regain its ancient glory of inventions and discoveries in the next future.



Table of Contents

Chapter 1: Imaginative Economy & Lessons from US Tech Firms.

Chapter 2: India's Glory-Discoveries & Inventions.

Chapter 3: Chutzpah! The Second Oldest Religion and the Second Oldest Language.

Chapter 4: What Drives an innovation Culture?

Chapter 5: The might of AI and the Convergent Technologies.

Chapter 6: Start-ups - Business patriotism, with a National purpose.

Chapter 7: DRDO+ISRO+CDS To Nurture a "Brain Unit".

Chapter 8: Once Four Start-ups; Today the World's First Trillion Dollar Companies.

Chapter 9: 21st Century Skills and Emotional Maturity.

Chapter 10: Future-A Decade Ahead?

Chapter 11: Big Problems are Big Opportunities!

Chapter 12: Silicon Valley Doctrines.

Chapter 13: Equality, Trust and Collaboration.

Chapter 14: Inspiration and Appreciation.



Author

Chelat Bhuvanachandran

Chelat Bhuvanachandran retired as Gen Manager-ME & Signatory with a Swiss company- AFG Arbonia-Forster-Holding AG in 2012. He started his career as a sales trainee with British Paints India Ltd and was operating from various locations in India and later in the Middle East.

Back home after three years of consulting assignment with a German firm, he turned to volunteering to National causes and purposes. The first attempt was to script two books in 2021, 'Living The Values' - a Value narrative to Grass-root Leadership with a purpose of redefining our school model with values, patriotism and a purpose. The second book titled 'The State of Israel'- a Start-up Nation to a Scale-up Nation, which inspires our youths to achieve impossible dreams. On submission to over one hundred Govt of India departments, NCERT, MoE, CDS and DRDO acknowledged with very positive appreciation while NCERT recognized the first one as learning tool for up-skill HSE teachers and the second one as a reference document for education, military, economy and governance.

Essentially in an uncontested space, it requires a theme, passion and stretched imagination, to script a book, where his next inspiration was intertwined with Prime Minister Narendra Modi's vision that 'Start-up Innovations will drive India's GDP in next two decades'. He is not a specialist from any domains of accelerating technologies, but he selected 'entrepreneurship' which comes from the core skills of his past career. The result was 'InnoVision'-The grand challenges of 21st century. He defines every big problem as a big business opportunity, where the convergent technologies could find a business solution for each of the UN's 17 SDG-Sustainable Development Goals, where India and South Asia score poorest ranks in the world. The book's target readership is the aspiring innovators from our technology campuses.





River Engineering

(Theory & Practice)

Prof. Santosh Kumar

River Engineering

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Product Description

This text book is designed essentially to meet the requirements of Undergraduate Engineering interested in Water Resources specialization. More particularly, the book shall help the field engineers involved with rivers understanding river's two function of transporting water as well as sediment. The book is divided in 3-major parts, viz. Basic Science of River flow, Sediment Transport and other topics like, Flood control, River Ganging, and River Trading. The book on River Engineering containing large number of solved problems. Simplified graphs Chapter on River Ecology and Interlinking of Rivers.



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Table of Contents

PART I Chapter 1: River: The Great Source of Life. **Chapter 2:** River Morphology. **Chapter 3:** River Hydrology. **Chapter 4:** River Hydraulics. **PART II Chapter 5:** Sediment Characteristics. **Chapter 6:** Initiation of Particle Motion (Also known as Threshold of Movement of Incipient Motion). **Chapter 7:** Bed Forms (Regime of Flow). **Chapter 8:** Resistance to Flow (Channel Roughness). **Chapter 9:** Estimation of Sediment Load. **Chapter 10:** Sediment Measurement Techniques. **Part III Chapter 11:** Methods of River Training. **Chapter 12:** River Gauging. **Chapter 13:** Flood & Flood Control. **Chapter 14:** River Ecosystem. **Chapter 15:** Interlinking of Rivers. **Chapter 16:** River Modelling.

Author

Santosh Kumar Prof. Santosh Kumar, Former Professor of Civil Engineering at the Bihar College of Engineering/NIT Patna, obtained his Bachelor's degree in Civil Engineering from Regional Institute of technology/NIT Jamshedpur and Master's degree from University of Roorkee/NIT Roorkee. Further he obtained Dip. H.E. From Delft University, Netherlands. He completed his Ph.D from Patna University. Prof. Kumar taught water resources related subjects for more than 40 years. During his tenure he successfully guided four Ph.Ds. and a record 28 M.Tech dissertations. He also produced more than 50 research papers. Later he also acquired advanced knowledge in Environmental Science. Dr. Kumar was picked up by the World Bank as a consultant to its projects in Bihar at FMISC, where he served for four years. He is a Fellow of Institution of engineers India; Chairman Indian Water Resources Society (Patna Chapter).

