B Tech Syllabus Dr A P J Abdul Kalam Technical University

2018-19 Annual Rreport of LNJPIT, Loknayak Jai Prakash Institute of Technology, is a government engineering college in Bihar. It is managed by the Department of Science and Technology, Bihar. It is approved and recognized by the All India Council for Technical Education and is affiliated to the Aryabhatta Knowledge University of Patna.

Information technology, which is exclusively designed to store, process, and transmits information, is known as Information Technology.Computers and Information Technology are an indispensable part of any organization. The first edition of "Advance concept of Information Technology" has been shaped according the needs of current organizational and academic needs This book not only for bachelor's degree and master's degree students but also for all those who want to strengthen their knowledge of computers. Furthermore, this book is full to capacity with expert guidance from high-flying IT professionals, in-depth analyses. It presents a detailed functioning of hardware components besides covering the software concepts in detail. An extensive delineate of computer architecture, data representation in the computer, operating systems, database management systems, programming languages, etc. have also been included marvelously in an array . One should use this book to acquire computer literacy in terms of how data is represented in a computer, how hardware devices are integrated to get the desired results, and how the computer works with software and hardware. Features and applications of Information Technology –

Businesses use technical writing extensively to communicate both within and outside the organization. And so, it is essential for an individual aspiring to be an executive to master the art of communication. This accessible and compact book on Advanced Technical Communication discusses how students can learn and master not only the basic skills of communication but also complex skills such as soft skills and skills required for preparing technical documents. The book begins with a discussion on the concept of technical communication and then it goes on to describe the differences between technical writing and general writing, and layout and format of business letters and résumé. What is more, it elaborates on technical documents such as technical proposals, reports, and specialized documents like theses, research papers and dissertations, differentiating them adequately. Finally, the text covers many of the soft skills required today, for example, presentation skills, interpersonal skills, and group discussion (GD) skills. This student-friendly book, suffused with practical examples, is primarily intended as a text for the first year students of Engineering (B.Tech.) of Uttarakhand Technical University for their course on Advanced Technical Communication. It will also be of immense benefit to undergraduate students in other universities and engineering colleges/institutes as well as technical professionals. KEY FEATURES : Provides comprehensive coverage of soft skills. Lays emphasis on corporate communication skills required for technical writing and producing technical documents by engineers and managers. Gives a critical evaluation as well as text of George Orwell's Animal Farm.

Engineering Mathematics Volume - I (For 1st Semester of JNTU, Kakinada)

Programming in C and Data Structures (VTU)

Mathematical Foundation of Computer Science

Engineering Chemistry

2019-20 Annual Report of LNJPIT

This book is the most well- organised ,useful and up to date about career guidance for all students.Covering more than 100 topics in fields that range from school to college .Students can check at a glance summary for choosen careers to learn about career paths ,examinations and more.Today, We live and breathe in the information age where all knowledge is at our fingertips, but students get confused choosing career from the wide array of career fields available after 10th &12th standard. All the career options have been given in this book. I have included here- 1. Choosing a Career----------1 2. After 10th Standard----------5 2.1 HSC----------5 2.2. Diploma in Engineering (Polytechnic)----------7 2.3. ITI----------10 2.4. PARAMEDICAL----------11 3. After 12th Standard (Undergraduate Courses) ----------15 3.1. Engineering(B.E. / B.Tech)----------15 3.2. Medical (M.B.B.S. / B.D.S. / B.A.M.S.)----------18 3.3. Pharmacy(B.Pharm)----------22 3.4. Paramedical (B.P.T.)----------25 3.5. 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In this book, how to solve such type equations has been elaborately described. In this book, vector differential calculus is considered, which extends the basic concepts of (ordinary) differential calculus, such as, continuity and differentiability to vector functions in a simple and natural way. This book comprises previous question papers problems at appropriate places and also previous GATE questions at the end of each chapter for the

Engineering Mathematics

Electrical Instrumentation and Process Control (For UPTU, Lucknow)

NUMERICAL METHODS FOR ENGINEERS

Engineering Physics Practical

Krishna's Communication Lab (English): For B.E./ B. Tech./ B. Arch. Students of 2nd Semester of all Engineering Colleges Affiliated to U.P. Technical University Lucknow

Introduction to Biotechnology

This book is designed to build up a strong foundation for the new students entering in Engineering field. It is strictly as per the revised syllabus prescribed by AICTE model curriculum. It has been written to fulfil all the requirements of B.E/B.Tech second semester students (All Branches of Engineering) of Chhattisgarh Swami Vivekanand Technical University, Bhilai. The essential feature of this book is that apart from theoretical background, it provides sufficient number of solved examples with detailed steps in easy and simple language along with problems for practice. Suitable figures have also been incorporated to ensure an easy understanding of the concepts. Short and very short answer type questions are also included. We hope that this book will be of great use for which it has been designed

In older times, classic procedure-oriented programming was used to solve real-world problems by fitting them in a few, predetermined data types. However, with the advent of object-oriented programming, models could be created for real-life systems. With the concept gaining popularity, its field of research and application has also grown to become one of the major disciplines of software development. With Computer Programming, the authors offer an in-depth view of this concept with the help of Computer Programming right from its origin to real programming level. With a major thrust on control statements, structures and functions, pointers, polymorphism, inheritance and reusability, file and exception handling, and templates, this book is a resourceful cache of programs-bridging the gap between theory and application. To make the book student- friendly, the authors have supplemented difficult topics with illustrations and programs. Put forth in a lucid language and simple style to benefit all types of learners, Computer Programming is packaged with review questions for self-learning. KEY FEATURES Illustrations to aid student learning Numerous examples of C++ programming Complete coverage as per the updated syllabus Review questions for self-assessment and practice

Engineering Physics Theory And Experiments : (As Per The New Syllabus, B. Tech. I Year Of U.P. Technical University)New Age InternationalSTATISTICS FOR ENGINEERSDr. R.NAGENDRAN

Foundation of Engineering Mathematics-II

Textbook Of Engineering Physics

Fundamentals of Electrical Engineering

Fiber Optics Fundamentals and Advances in Optical Communications

Here is a collection of my motivational and directional messages on authoring academic books. They answer the questions why should a teacher in an institution of higher learning involve in authoring an academic book? And How to go about authoring keeping in mind the expectations from the book's perspective readers and the expectations from the prospective publishers? And in addition to these there is one more chapter (9th one) namely '9. Responses from Professors of Eminence, Teachers, Friends and Team Members on the Initiative and on the Motivational and Directional Communications'. The messages in the well-organized chapters undoubtedly clear all inhibitions in the mind of a teacher aspiring to become an author. The book has thus turned out to be a reference guide consisting of the right set of prescriptions for budding authors of academic books to realize their dream of becoming an author.

This Book Is Designed For The First Year Engineering Students Of Jawaharlal Nehru Technological University, Hyderabad Strictly Adhere To The Prescribed Syllabus. The Lucid Explanation Of Different Concepts And Propositions And The Methodology Adopted Makes The Subject Easier To Understand And Also More Interesting For Students. Several Student Aids Have Been Incorporated Into This Book. These Include Objective Questions, Short Questions, A Series Of Review Questions And Problems At The End Of Each Chapter.

Your comprehensive guide to Fiber Optics Fundamentals and advancements taking place in this field Synopsis This book provides solid base in fiber optics communications for B Tech and M Tech students and also for practicing engineers and research scholars in this field. The book contains more than 650 illustrations which give a comprehensive coverage of the technology involved in the fiber optics communications. This book gives an in-depth coverage of: Telecommunications fundamentals optical fiber transmission characteristics optical fiber manufacturing and cables Signal degradation (distortion) in optical fibers optical fiber nonlinearities and their management optical sources and receivers optical amplifiers SONET/SDH, OTN, DWDM, OFDM and Super Channels connectors and couplers fiber optic link design optical networks and cloud computing review of fiber optic sensors and their applications (Fiber optics sensors are altogether a different field in latest sensor technology) Advance technologies in fiber optics communications covering FTTH technologies, OTDR, Nanophotonics, Low signal latency in optical fibers and fabrication and simulation of optical fibers and their optical parameters by Opti-Wave software.

Computer Programming and IT

The Journey

Basic Electronics

Engineering Physics Theory And Experiments : (As Per The New Syllabus, B. Tech. I Year Of U.P. Technical University)

CAREER GUIDANCE

Engineering Mathematic

This book is written in a simple and easy-to-understand language to explain the fundamental concepts of the subject. The book presents the subject of EIPC in a comprehensive manner to the students at undergraduate level.This book not only covers the entire scope of the subject but also explains the philosophy of the subject. This makes the understanding of the subject more clear and interesting. The book will be very useful not only to the students but also to the faculty members.

The Most Authentic Source Of Information On Higher Education In India The Handbook Of Universities, Deemed Universities, Colleges, Private Universities And Prominent Educational & Research Institutions Provides Much Needed Information On Degree And Diploma Awarding Universities And Institutions Of National Importance That Impart General, Technical And Professional Education In India. Although Another Directory Of Similar Nature Is Available In The Market, The Distinct Feature Of The Present Handbook, That Makes It One Of Its Kind, Is That It Also Includes Entries And Details Of The Private Universities Functioning Across The Country.In This Handbook, The Universities Have Been Listed In An Alphabetical Order. This Facilitates Easy Location Of Their Names. In Addition To The Brief History Of These Universities, The Present Handbook Provides The Names Of Their Vice-Chancellor, Professors And Readers As Well As Their Faculties And Departments. It Also Acquaints The Readers With The Various Courses Of Studies Offered By Each University.It Is Hoped That The Handbook In Its Present Form, Will Prove Immensely Helpful To The Aspiring Students In Choosing The Best Educational Institution For Their Career Enhancement. In Addition, It Will Also Prove Very Useful For The Publishers In Mailing Their Publicity Materials. Even The Suppliers Of Equipment And Services Required By These Educational Institutions Will Find It Highly Valuable.

Engineering Physics: Vol. 1

Mathematical Mehtods

Computer Programming (For Kerala University)

Principles of Reliable Soldering Techniques

Chemistry for Engineers

The Technical education in India is changing rapidly in the emerging fields to meet future challenges. Newer areas like Bigdata and Datascience have become extended database subjects. In this process, UNIVERSITY has revised the syllabus for B.E/ B.Tech, B.Sc (Computer Science), BCS, MCA to incorporate the latest developments in technology. In view of this, the book covers the latest revised syllabus of ANNA UNIVERSITY for the subject "DATABASE MANAGEMENT SYSTEMS" for the B.E / B.Tech students/ BCA, B.Sc (Com book "UNIVERSITY Q & A for DATABASE MANAGEMENT SYSTEMS" has been compiled for students studying at undergraduate level and covers almost all topics required to enhance the knowledge in Database Management Systems. The book is organized in a way to help beginners in understanding the database concepts better. This book owes its existence to the collaboration made possible by the Internet and the free software movements. Salient features of this Book. This book provides 500 + multiple choice questions on Dat separated into 30 categories. The questions have been used in examinations for undergraduate introductory courses and as such reflect the focus of these particular courses and are pitched at the level to challenge students that are beginning their training in Database Management Systems. This book provides 200+ Two Marks Questions and Answers, 100+ Sixteen Mark Questions and Previous year Question Papers.

Soldering, Though Being An Age Old Phenomenon, Is Still Perhaps A Difficult Subject To Understand, Due To Its Interdisciplinary Nature. In This Book, Efforts Have Been Made To Describe The Physical Theories Responsible For Making A Good Joint, The Chemical Actions During Its Formation And The Electrical, Thermal And Mechanical Requirements Essential To Ensure Its Reliability. The Four M'S; Material, Machine, Method And Man, Necessary For Designing A Solder Joint Have Been Described In Detail. Further, Process Cor Inspection Criteria, Solder Joint Defect Analysis And Its Repair/Rework Are Also Discussed.Additionally, Brief Introductions To Surface Mount Devices (Smd) And Surface Mount Technology (Smt) Have Been Included A Annexures. The Book Will Be Useful In Industry, And To Design Production, Process Planning And Quality Control Engineers, As Well As In Engineering/Technical Colleges To Students As A Reference Book For The Present And, Hopefully, Future Modified Courses. The Academicians May Find This Book Useful For Present Diploma (Electronics), B.Sc. (Electronics), B.Sc. (Instrumentation), B.E. And M.E. / M.Tech (Electrical, Electronic, Instrumentation) Syllabus.

This book has been designed based on VTU's 1st year syllabus. It will familiarize the students with the use of all the important features of C language. This book covers a large variety of program exercises in greater depth, and provides excellent table comparison along with theory explanation. The goal of this book is to provide the perfectly suitable reading material to the students and help them with examination preparedness. KEY FEATURES • 100 percent coverage of VTU syllabus • Exhaustive coverage of Programming Exercises laboratory programs as per syllabus covered in a separate chapter • A separate section for Frequently Asked Questions (FAQs) • Model question paper to appraise the students with the examination scheme

Engineering Mathematics Volume - II (Mathematical Methods) (For 1st Year, 1st Semester of JNTU, Kakinada)

Advanced Concepts of Information Technology

ADVANCED TECHNICAL COMMUNICATION

Exam Made Easy

A Textbook of Engineering Materials and Metallurgy

This book is a sequel to the author's Engineering Physics Part I and is written to address the course curriculum in Engineering Physics-II (Course Code EAS-102) of the B.Tech syllabus of the Uttar Pradesh Technical University. The book is designed to meet the needs of the first-year undergraduate students of all branches of engineering. It provides a sound understanding of the important phenomena in physics.

This book spreads into Five Chapters Covering the various aspects on Numerical Methods for Engineers. This book Cover's the syllabus of Anna University B.E., Courses in Mechanical Engineering, Automobile Engineering, Civil Engineering, Production Engineering, Aeronautical Engineering and Electrical and Electronics Engineering.

'Communication Skills for Professionals' is a time-tested book which aims to equip students, acadamicians and professionals with all the necessary skills to communicate effectively, so that they can thrive in this competitive world. WHAT DOES THE BOOK CONTAIN This compact and student friendly text is divided in several sections, and covers several topics like Detailed section on Vocabulary. • Items of: grammar; verbs; phrasal verbs; voices; tenses; transformation and synthesis of sentences. • 'Rectification of Grammatical Errors' in order to identify and correct errors. • Analysis of the 4 skills of Listening, Speaking, Reading and Writing. • Skills of Technical Writing and Public Speaking. • Body Language and Group Discussion. All these and more aims to make the learner a winner, not only in his personal life, but also in his Professional life. The book is easy to read and understand. Each point is illustrated with examples from practical life. Even the grammar exercises and all other activity-based questions have been skillfully designed and worked out in Classrooms. WHAT IS NEW TO THIS EDITION • In the modern business world where speed and ease of communication is very important E-mails have become widely prevalent. An E-mail can even make or break a career. • Detailed discussions have been shared in this Edition on how to write the perfect E-mail. • A completely new chapter has been added on social media tools like LinkedIn, Facebook and Twitter. Job seekers would learn how to upload their portfolios and highlight their skills and achievements and connect with prospective employers and collaborators. Book Reviews "I have been a regular user of the book by Prof. Nira Konar and found it a very reliable resource. The chapters on 'Group Discussion and Body Language' are particularly helpful. Besides, the chapter on 'Communication Theory' has been relevantly and effectively explained keeping in mind the needs of the students. Overall, the book is very accessible by all levels of students. It is a part of recommended reading for my students." - Nandini Mukherjee Course Coordinator, Department of Communicative English, St. Xavier's College, Kolkata "An extremely concise, lucidly written and reader-friendly book, that serves as a handy reference manual for all in-service English language teachers of degree engineering colleges. The B.Tech Communicative English syllabus has been closely followed, with detailed sections on grammar, writing and comprehension. The chapters on vocabulary take an insightful look at etymology, word origins, synonymy and antonymy. Detailed word lists and practice exercises make the section extremely helpful for practicing teachers. The sections on grammar are fairly detailed, offering a thorough analysis of Verbs, Tenses, Voice, Narration, Transformation of Sentences and Error Correction. There are plenty of practice exercises for the teacher to choose from. Reading skills are well discussed and technical writing is given all the importance and predominance it usually occupies in any course on technical communication. The section on report writing is extremely useful as a guide for teachers for teaching students the formatting and writing essentials in documenting reports. There is a section on professional speaking too, which enriches the content of the book. On the whole, the book is of continuing usefulness and relevance in any technical English course and will be used by teachers and students alike for many years to come." - Dr Indrajit Bose Assistant Professor of English, GNIT, Kolkata "Dr. Konar's book acts as a comprehensive guide to the students of professional, technical as well as basic courses to hone their language skills. The language of the book is persuasive, fluid and student-friendly which makes it useful even to the first generation learners of English. The scope of this book extends from word-building to report writing and covers almost all the thrust areas of language training in a nutshell. Hence, it deserves a shelf-space in the library of any institution." - Ayushman Banerjee, Assistant Professor in English, Haldia Government College, Kolkata "This is one of the best books on 'Communication' available in the market. Dr. Nira Konar is a brand by herself whenever English Language Teaching (ELT) comes into discussion. This compact edition discusses in detail the various aspects of language ranging from Vocabulary, Grammar, Syntax to effective communication in business. The book gives a clear reading of LSRW skills such as writing, reading, listening, and public speaking. It further confers different means of effective communication, situational dialogues, body language, and group discussions. The book follows the present MAKAUT curriculum of English for B.Tech 1st year 2nd Semester (HM-HU 201 & HM-HU 291) thoroughly. It not only gives an overview of the Theory syllabus but also provides details of Language Laboratory activities as well. "Communication Skills for Professionals" enables the readers to express themselves clearly and communicate effectively at the workplace. This book not only deals with the rudiments of communication but also gives insights into the body language and provides important tips on how to be successful at interviews and group discussions. Primarily intended for students of engineering and technology, the book will also be useful for Management students and the students of all disciplines who want to acquire the skill in corporate communication and excel in their respective professional areas." - Sohini Datta Assistant Professor, Department of Management, IEM, Sector V, Salt Lake, Kolkata "Easy and in-depth writing on the subject is the aim of this book. The author has put in here the fruits of teaching the students from the wide-ranging and first-hand knowledge of business speaking and writing, and listening in a friendly way. It is enriched with extensive references. On every page of the book the students will see how a simpler style of English is balanced with their need." - Dalia Sen Assistant Professor, Bengal Institute of Technology (Under Techno India Group), Kolkata

Database Management Systems

Useful For All Students

STATISTICS FOR ENGINEERS

Strictly as per revised AICTE syllabus

Differential Equations and Vector Calculus

This Book spreads into Seven Chapters covering the various aspects of Statistics for Engineers. This book is intended as a text book for undergraduate and postgraduate courses of Mathematics. This book covers the syllabus of Anna University B.E., Courses in Mechanical Engineering, Automobile Engineering, Production Engineering, Bio-Technology Engineering, Chemical Engineering, Polymer Engineering and Plastic Engineering.

This book is written in a simple and easy-to-understand language to explain the fundamental concepts of the subject. The book presents the subject of EMI in a comprehensive manner to the students at undergraduate level.This book not only covers the entire scope of the subject but also explains the philosophy of the subject. This makes the understanding of the subject more clear and interesting. The book will be very useful not only to the students but also to the faculty members.Any suggestions for the improvement of the book will be acknowledged and well appreciated.

Electronic Measurements and Instrumentation (For UPTU, Lucknow)

A Textbook of Engineering Mathematics (PTU, Jalandhar) Sem-III/IV

Applied Physics As Per Jntu Syllabus 2005-2006

A Textbook of Engineering Mathematics (U.P. Technical University, Lucknow) Sem-II

Handbook of Universities