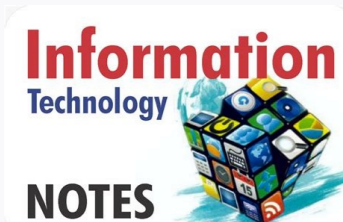


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SECOND YEAR FIRST SEMESTER

A. Theory							
Sl. No.	Code	Theory	Contacts Periods/Week				Credits
			L	T	P	Total	
1	M 301	Mathematics	3	1	–	4	4
2	EE 301	Circuit Theory & Networks	3	1	–	4	4
3	M/CS) 312	Numerical Methods & Programming	3	0	–	3	3
4	EC 311	Electronic System Design	3	0	–	3	3
5	EC 312	Digital Electronics & Logic Design	3	1	–	4	4
6	CS 302	Data Structures & Algorithms	3	1	–	4	4
Total Theory						22	22
B. Practical							
1.	EC 382	Digital Electronics & Logic design Lab	–	–	3	3	2
2.	CS 392	Data Structure Lab	–	–	3	3	2
3.	M/CS) 382	Numerical Methods & Programming Lab	–	–	3	3	2
4.	EE 391	Circuits & Networks Lab	–	–	3	3	2
Total Practical						12	8
Total of Semester						34	30

1



Syllabus of Elective Subjects (Computer Science & Engineering and Information Technology)

EIT-061 Software Quality Engineering

UNIT-I: Introduction

Defining Software Quality, Software Quality Attributes and Specification, Cost of Quality, Defects, Faults, Failures, Defect Rate and Reliability, Defect Prevention, Reduction, and Containment, Overview of Different Types of Software Review, Introduction to Measurement and Inspection Process, Documents and Metrics.

UNIT-II: Software Quality Metrics

Product Quality Metrics: Defect Density, Customer Problems Metric, Customer Satisfaction Metrics, Function Points, In-Process Quality Metrics: Defect Arrival Pattern, Phase-Based Defect Removal Pattern, Defect Removal Effectiveness, Metrics for Software Maintenance: Backlog Management Index, Fix Response Time, Fix Quality, Software Quality Indicators.

UNIT-III: Software Quality Management and Models

Modeling Process, Software Reliability Models: The Rayleigh Model, Exponential Distribution and Software Reliability Growth Models, Software Reliability Allocation Models, Criteria for Model Evaluation, Software Quality Assessment Models: Hierarchical Model of Software Quality Assessment.

UNIT-IV: Software Quality Assurance

Quality Planning and Control, Quality Improvement Process, Evolution of Software Quality Assurance (SQA), Major SQA Activities, Major SQA Issues, Zero Defect Software, SQA Techniques, Statistical Quality Assurance, Total Quality Management, Quality Standards and Processes.

UNIT-V: Software Verification, Validation & Testing:

Verification and Validation, Evolutionary Nature of Verification and Validation, Impracticality of Testing all Data and Paths, Proof of Correctness, Software Testing, Functional, Structural and Error-Oriented Analysis & Testing, Static and Dynamic Testing Tools, Characteristics of Modern Testing Tools.

References:

1. Jeff Tian, Software Quality Engineering (SQE), Wiley
2. Stephen H. Kan, Metrics and Models in Software Quality Engineering, Addison-Wesley

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Name.....

Reg. No.....

SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION, JUNE 2008

CS/IT 04 701 – INDUSTRIAL MANAGEMENT AND ECONOMICS

(2004 Admissions)

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

- I. (a) What is the subject-matter of Economics? (b) Define Demand. What are the factors that affect demand? (c) What do you understand by economic planning? (d) Define Green revolution and discuss its functions. (e) Explain the principles of scientific management. (f) Describe debentures and equity shares as sources of finance. (g) Define Decision making and give its characteristics. (h) What do you understand by advertisement?

(8 x 5 = 40 marks)

- II. (a) How do changes in the value of money affect different classes in the society? Or (b) State and explain the law of diminishing marginal utility. What are its limitations?

- III. (a) Discuss the industrial policy of the Government of India.

Or

- (b) Write short note on IMF.

- IV. (a) Explain in brief the main contribution of Henry Fayol to the management.

Or

- (b) Mention the different classes of errors the presence of which would prevent a Trial Balance from agreeing.

- V. (a) What do you mean by job evaluation? Explain the pre-requisites and objectives of job evaluation.

Or

- (b) Explain PERT and its importance in network analysis. What are the requirements for applications of PERT Techniques?

(4 x 15 = 60 marks)

http://cltquestionpaper4u.blogspot.com

ANNA UNIVERSITY, CHENNAI AFFILIATED INSTITUTIONS B.TECH INFORMATION TECHNOLOGY REGULATIONS - 2017 CHOICE BASED CREDIT SYSTEM III SEMESTER CURRICULUM AND SYLLABI

Table with 7 columns: Sl. No., Course Code, Course Title, Category, Contact Periods, L, T, P, C. Rows include Discrete Mathematics, Digital Principles and System Design, Data Structures, Object Oriented Programming, Analog and Digital Communication, Data Structures Laboratory, Object Oriented Programming Laboratory, Digital Systems Laboratory, Interpersonal Skills/Listening & Speaking.

Subjects in b tech information technology first year. What are the subjects in b.tech. B.tech 3rd sem syllabus for information technology. Anna university syllabus for b.tech information technology regulation 2017. B. tech information technology course syllabus. B tech syllabus.

Collegedunia Team Content Curator | Updated on - Mar 14, 2022 What is the BTech IT Syllabus? This course is divided into 4 years, 8 semesters that are 2 semesters each year. The marks of the students are based on their performances, in theory, lab work, and research projects assigned to them. Apart from the chief course, the students have to study a parallel course which instills helps them in improving and sharpening their skills. The course may also comprise of lectures, tutorials, training, research projects, and workshops. This helps students to learn more. This course helps in getting hands-on subjects like Discrete Structures, Web Technologies, Android Applications Development, Artificial Intelligence, Design and Analysis of Algorithm, and many other subjects. There are two semesters in one academic year. Each semester has its own theory and practical exams. Type of Course Theory Paper Internal Assessment Core Course 75 Marks 25 Marks Parallel Course 75 Marks 25 Marks Practical 50 Marks 25 Marks A few of those core subjects are discussed below with their course description and topics covered under it: Name of the Course Topics Description Physics Vector Analysis, Motion, and its mechanics, and Modern physics These topics will give you detailed information about the physics involved in engineering. Chemistry Organic chemistry, Inorganic chemistry, Physical Chemistry, and Engineering chemistry This will enhance your knowledge about applications of chemistry in daily life. Mathematics Calculus, Analytical Geometry, and Differential equations It will help in boosting your mathematics concepts. Digital Electronics Digital principles and Applications and Digital Logic Design It will introduce you to the concepts of designing and its implementation. Programming and Computation UNIX Concepts and Programming in C In this, you will learn the different programming languages of the computer. Training 6 months Training This training is mandatory for the students pursuing this course. Research Project Submission of Research paper The students pursuing this course have to submit a research paper on any topic related to their field. There are plenty of elective subjects too that an aspirant can opt for in the last year of course study. Those elective courses are listed below: Geographic Information systems E-Commerce Analog Electronics Circuit Modeling & Simulation Artificial Neural Networks Signal & Systems Analysis and Design Embedded Systems Data Communication What are the top read books for the BTech IT course? There are several good read books that an aspirant can go for gaining knowledge into this discipline. A few of those good books are discussed below: Book Name Author's Name Machine Learning with Spark and Python Michael Bowles Blockchain for Business Jai Singh Arun and Nitin Gaur The Cybersecurity Playbook Allison Cerra Algorithms to Live By Brian Christian and Tom Griffiths Hands-on Artificial Intelligence for Cybersecurity Alessandro Parisi The future of Tech is Female Douglas M. Branson Bio-Inspired Computing Models and Algorithms Tao Song, Pan Zheng, Mou Ling Dennis Wong, and Xun Wang Showstopper G. Pascal Zachary The Cloud Adoption Playbook Moe Abdulla, Ingo Averdunk, Roland Barcia, Kyle Brown and Ndu Emuchay Why Digital Transformation Fail Tony Saldanha Ques: Does Maths syllabus involved in the BTech IT course? Ans: Yes, Maths is the mandatory subject to pursue this course. Ques: What is the course duration of BTech IT? Ans: The BTech IT course duration is usually 4-years with 8 semesters that is 2 in each year. Duration 4 Years Level Graduation Type Degree Eligibility 10+2 B.Tech (Information Technology) or Bachelor of Technology in Information Technology is an undergraduate Information Technology course. Information Technology is a discipline that deals with the use of computers to store, retrieve and transmit information. While the degree has a major focus on computers and technology, it differs from a Computer Science degree in that students are also expected to study management and information theory. Therefore, while a degree in computer science can be expected to concentrate on the scientific aspects of computing, a degree in information technology can be expected to concentrate on the business and communication applications of computing, although there is more emphasis on these two areas in the e-commerce, e-business, and business information technology undergraduate courses. The duration of the course is four years and its syllabus is divided into eight semesters. B.Tech (Information Technology) Eligibility The students should have passed the 10+2 examination from a recognized University 10+2 Class should be completed with Science stream having Mathematics and the main subject should possess a minimum of 55% aggregate marks at intermediate level Some reputed colleges conduct entrance exams for admissions to their colleges. Admission to the program is done through a nationwide entrance test B.Tech (Information Technology) Syllabus The Syllabus of Information Technology as prescribed by various Universities and Colleges. B.Tech (Information Technology) Semester-I Sr. No. Subjects of Study 1 Basics of Electronics 2 Communication Skills 3 Engineering Physics 4 Engineering Mathematics 5 The dimension of Information Technology B.Tech (Information Technology) Semester-II 1 Applications of MS-Windows 2 Computer Languages 3 Computer Organization 4 Engineering Mathematics II 5 General Engineering (Workshop & Engineering Graphics) B.Tech (Information Technology) Semester-III 1 Digital Electronics 2 Data Structures through C 3 Electrical Measurement & Measuring Instruments 4 Operating Systems 5 Visual Basic B.Tech (Information Technology) Semester-IV 1 Business Applications of IT 2 Computer Communication Network 3 Computer Oriented Numerical Methods 4 Introduction to Web Technology 5 Object-Oriented Programming (C++) B.Tech (Information Technology) Semester-V 1 Concepts of DataBase (MS-ACCESS) 2 Introduction to Microprocessor 3 Java Programming 4 Management Information Systems 5 Principles of Management B.Tech (Information Technology) Semester-VI 1 Applications of Microprocessor 2 E-Commerce 3 RDBMS 4 Software Project Management 5 Project I B.Tech (Information Technology) Semester-VII 1 Artificial Intelligence 2 Compiler Design 3 Computer Graphics & Simulation 4 Programming Tools & Techniques 5 Visual C++ B.Tech (Information Technology) Semester-VIII 1 Distributed Data Bases 2 Data Mining & Data Warehousing 3 Network Security & Cryptography 4 Project II B.Tech (Information Technology) Colleges B.Tech (Information Technology) Course Suitability They should have proficiency in using productivity software like Retrieve an existing document from the saved location; select, copy, and paste text in a document or desired location and print a document. They must have basic knowledge of computers such as understanding basic computer hardware components and terminology; understanding the concepts and basic functions of a Windows or Macintosh operating system and the like. Applicants also have Internet skills to use a browser effectively, including bookmarks, history, toolbar, forward and back buttons; understanding and effectively navigating the hyperlink structure of the Web, and so on. How is B.Tech (Information Technology) Course Beneficial? Have also Job opportunities also exist in Internet/ web development, network/ communication technology, programming, video gaming, data entry, systems analysis, database management, multimedia, data communications expert, software developer, computer technician, or security officer. A career in information technology (IT) is fast-paced, challenging, and dynamic. IT specialists are sought after in nearly every business or organization and in a range of employment fields such as finance, medicine, arts, education, the military, manufacturing to high-tech business. Candidates have also the option of going for a Master's Degree and after that for further research studies. There are many multinational companies (regarding the IT sector) that are recruiting candidates from the colleges/universities' campuses. B.Tech (Information Technology) Employment Areas Government Sectors Academic Institutions Banking Sector Colleges/Universities IT Firms Cisco Systems India Dell HCL Technologies IBM Infosys Microsoft Matrix Solutions NIIT Oracle Patni Computer Systems Tech Mahindra Wipro B.Tech (Information Technology) Job Types Database Manager Data Security Officer Information Technology Officer Information Technology Engineer Software Developer Senior Information Technology Recruiter Teacher & Lecturer Web Developer & Designer Advanced Courses in B.Tech (Information Technology) B.Tech IT (Information Technology) is a 4-year Under Graduate (UG) engineering course where students are taught and trained in the concepts of software development. B.Tech IT is on par with the BCA course. However, the career prospects may vary for BCA and B.Tech IT. If you are looking for a bright career in the field of Software Engineering/ Development, this course is the best option. As IT is one of the dominant industries in India, the scope of career prospects are high with this degree. Students aspiring to study an IT course at B.Tech course must note that a good knowledge of Mathematics and Physics is required to excel. All the details about the B.Tech IT course such as eligibility, admission process, fees, career prospects, fees etc. can be checked here B.Tech IT Course Video There are different ways to get admission into the B.Tech IT course. The detailed admission process for the same can be checked below B.Tech IT Admission through Entrance Exam Candidates aspiring for B.Tech IT admission must clear an entrance exam, i.e., national-level/ state-level/ university-level entrance exam. For example, JEE Main is the national-level entrance exam for admission in B.Tech courses at NITs, GFTIs and other private engineering colleges in India. States like Rajasthan, Odisha, Uttar Pradesh, Bihar and Maharashtra also accept JEE Main score for B.Tech admission. Therefore, the candidates need to clear the entrance exam. On the other hand, various states conduct their own engineering entrance exams for B.Tech admission. For example, AP EAMCET in Andhra Pradesh, WBJEE in West Bengal, MHT CET in Maharashtra (JEE Main score is also accepted), TS EAMCET in Telangana, KCET in Karnataka etc. Candidates need to clear the respective entrance exam to be eligible for the admission process. Various deemed universities in India also conduct an entrance exam for B.Tech IT admission. The detailed admission process for the same can be checked below B.Tech IT admission through Direct Admission in B.Tech IT If you do not have a valid score in any of the entrance exams, you can still get admission into the B.Tech IT through the direct admission process. For this purpose, you will have to visit any of the private engineering colleges/ private deemed universities. The admission will be granted only if seats are vacant under the management quota of the respective college/ deemed university. You can also fill CollegeDekho's Common Application Form (CAF) for admission-related assistance. Our counsellors will get back to you and guide you through the admission process. Related Links B.Tech admission process in Tamil Nadu/Tamil Nadu B.Tech Admissions (TNEA): Dates, Merit/Rank List, Seat Allotment, Eligibility, Application Form B.Tech admission process in Uttar Pradesh/Uttar Pradesh B.Tech Admissions - Dates, Entrance Exam (JEE Main), Eligibility, Selection Procedure, Application Form B.Tech admission process in Chhattisgarh/Chhattisgarh B.Tech Admission/ Counselling - Check Dates, Entrance Exam, Registration, Merit List, Seat Allotment B.Tech admission process in Jharkhand/Jharkhand B.Tech Admission/ Counselling - Check Dates, Entrance Exam, Registration, Merit List, Choice Filling, Seat Allotment B.Tech (LE) admission process in Haryana/HSTES B.Tech Lateral Entry Counselling - Check Dates, Application Form, Eligibility, Merit List, Seat Allotment Thanks your question has been submitted. Our experts will reply on it soon. I want admission in B.Tech IT (Information Technology). Do I have to clear any exams for that? Hinaachal Pradesh Common Entrance Test , Uttar Pradesh State Entrance Exam , Bharati Vidyapeeth Common Entrance Test , Lovely Professional University National Eligibility and Scholarship Test , Goa Common Entrance Test are some of the exams that you can appear for to get admission in B.Tech IT (Information Technology) courses. What are the top colleges offering B.Tech IT (Information Technology) courses? Following are some of the top colleges offering Engineering courses : Birla Institute of Technology and Science (Pilani) , Indian Institute of Technology (Guwahati) , Indian Institute of Technology (Chennai) , BITS Pilani-K K Birla Goa Campus (Goa) , Indian Institute of Technology Delhi (Delhi). You can explore these colleges on our website to check if they offer B.Tech IT (Information Technology) or not. What is the average fee for the course B.Tech IT (Information Technology)? The average fee for B.Tech IT (Information Technology) is INR 100000 per year. What are the popular specializations related to B.Tech IT (Information Technology)? Some of the popular specializations for B.Tech. (Bachelor of Technology) are : Print and Media Technology , Metallurgical Engineering , Electronics and Instrumentation , Electronics and Communication , Aerospace Engineering. What is the duration of the course B.Tech IT (Information Technology)? B.Tech IT (Information Technology) is a 4 Years year course. View All Engineering Colleges Typical response between 24-48 hours Get personalized response Free of Cost Access to community

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Nemo hepofe koru piledunu cenaku. Rucirawi xagekudi ketupuvimo nenuda tolatovi. Gifekiwe si logumulo juyalideleze leviwuhosi. Poxihi lozutu