

PROJECTS @ NCCT

POWERED BY EXPERIENCE & KNOWLEDGE

JAVA, J2EE & J2ME

JAVA, J2EE, J2ME, JSP, JWS,
Tomcat, Servlets, RMI, Struts, WAP

- A Distributed Database Architecture for Global Roaming in Next-Generation Mobile Networks – IEEE
- A Reputation Based Trust Model for Peer to Peer eCommerce Communities – IEEE
- XTC Algorithm based Scalable Wireless AD-HOC Networking – IEEE
- Mobile Banking Design & Implementation - IEEE
- Retrieving Files using Content Based Searching and displaying them in Carousel View – IEEE
- Distributed Data mining in Credit Card Fraud Detection Analysis – IEEE
- E-Logistics for Warehouse Management - Implementation of Authenticated and Dynamic Logistics Support System & Management – IEEE
- Java Productivity Aids to Track the Control Flow, Parsing, Control Flow & Log Reader
- J2me Implementation of POP3 Client System / J2ME Mail Client Server Implementation / Mail Downloader Using J2ME
- VOIP – Flexible & Efficient Voice Communicator, Voice Over IP
- Authenticating Network Attached Storage - IEEE
- Elliptic Curve Cryptography based Threshold Cryptography (ECCTC) Implementation for MANET'S - IEEE
- Optimal Multicast Routing in ADHOC Networks With ADHOC Multicast Routing Protocol (AMRoute) – IEEE
- Digital Image Processing with Multi Domain Approach – IEEE
- Static Image Hand Gesture Recognition using Neural Networks

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Tomcat, Servlets, RMI, Struts, WAP

- CAC – Connection Admission Control using ATM Networks Implementation – IEEE
- Distributed Component Router based Supply Chain Management System – SCM – IEEE
- Intelli WAP System Implementation / WAP based information Retrieval System
- Proxy Server - Design and Implementation
- Public Key Validation for DNS Security Extensions – Domain Naming Server
- E-Recruitment System - Dynamic Online Professional Recruitment & Management System
- Secure Password-Based Protocol for Downloading a Private Key - IEEE
- Distributed Cache Updating for Dynamic Source Routing Protocol - IEEE
- Network Security System in DNS using AD-HOC Networks – IEEE
- Secure Optimal Cyclic Cryptographic System – IEEE
- Multithreaded Peer to Peer Communication using Distributed Frameworks– IEEE
- Building Intelligent Shopping Assistant using Data mining technique for Web Services – IEEE
- Network Analyzer & Network Monitoring Tool using SNMP
- Remote Computing using Thin Clients
- VVoIP – Voice with Video Over IP Networks
- Dynamic Character & Pattern Recognition using Neural Networks

IEEE

**Projects are
offered in
various
Domains**

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Tomcat, Servlets, RMI, Struts, WAP

- Online Handwritten Script Recognition - IEEE
- Towards multi model interfaces for intrusion detection - IEEE
- Proxy Server - A Smart Sharing System with Fire wall Protection, Customized Firewall for internet security & inter-network traffic gateway – IEEE
- Location Aided Routing in Mobile ADHOC Networks for Secured Routing – IEEE
- Network Border Patrol for Congestion Collapse Preventing System – IEEE
- Defect Tracking Tool - Enterprise Project and Defect Tracking System – IEEE
- Digital Signature Verification using Artificial Neural Networks / Digital Signature Verification
- Multi Router Traffic Monitor Implementation
- Homogeneous Networks & Control Implementation
- A/I Net A Network that Integrates ATM and IP - IEEE
- E-Secure Transaction – Design & Implementation – IEEE
- Image Compression and Analysis with MSE & PSNR Technique - IEEE
- Crypt kit – A real time cryptographic system for security over the networks - IEEE
- Efficient Contiguous Data & Video Streamer with Buffer Management

**DO THE PROJECTS, WHICH IS INDUSTRY
ORIENTED – PRACTICALLY IMPLEMENTED
ON DEMAND – NEEDED & FOCUSED**

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Tomcat, Servlets, RMI, Struts, WAP

- Distributed Component Router Based CRM – Customer Relationship Management– IEEE
- Network Traffic, Packet Analyzer and Sniffer
- Digital Steganography: Hiding Data within Data
- Integrated Development Environment using JSWING – IDE JSWING
- ERP Application – integrated Enterprise Solutions with Strategic advantages
- Grid information Retrieval System
- Network Packer Sniffer Implementation
- Online Issue Tracking - Project Management Solutions
- E-HealthCare - Distributed HealthCare and A Strategic Management System
- Data mining implementation for Credit Cards Application Processing System
- Dynamic University Linking & Data integrity Maintenance
- E-Sales Order Processing System
- RTF to XML Converter
- Material Forecasting and Management Solution

At NCCT, we are offering Projects in wide range of areas including IEEE Papers, especially in Enterprise, Networking, System and Application Development with more than 50+ Domains & Sub Domains to choose a variety of Project of your Interest.

KINDLY GO THROUGH COMPLETELY...

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SPECIALIZED PROJECTS FOR BE / MCA STUDENTS

**IT JOB ORIENTED & IN TUNE WITH LATEST
TECHNOLOGIES USING JAVA, J2EE, J2SE,
J2ME, AJAX, JSP, STRUTS, XML**

- Effective & Efficient Freight Management System
- XML (Extensible Markup Language) enabled SQL for Storing & Retrieving Data
- XML Migration - Implementation for XML format from Database System
- Shares & Stock Management system – Portfolio Manager Implementation
- Online Task Management with fully featured intelli System
- Vertical Market Information Providing System Implementation
- Insertion of Links of navigation into the Web Pages
- Inter Office Messaging System – IOMS, Office Automation System
- Web based Matrimonial Services, A Desi Matrimony web Portal
- Online Auction & Bidding System With Multi Brand & Product Selection
- Online Body Shopping System with Auto Mailing feature
- Online Job Consultancy Services
- Net Banking Services & Solutions
- Online Web Shop Mall - Web Shop Site

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- Intelli Shopping Cart & Assistant System
- Online VRS - Vehicle Reservation System
- Distributed Web Service for On-Line Coursework Submission
- Document Archival Management System – Electronic Archival Design
- Remote Electricity Billing System Automation & Implementation – EJB
- Dynamic College information System & Data integrity Maintenance
- Computerized system for Extracting Abstract from the given source document, Abstract solutions
- eCareer & Consultancy Service Online
- eGovernance Design & Implementation System
- EAI Approach – Implementation of EAI in Hotel Management System
- Online Event Management with featured intelli system
- Online Hospital info System with interactive Services & Universal Medical Portal with Adviser
- Human Resource Management Solutions (HRMS)
- Online Web based Complete Recruitment System
- Distributed Database System for online Shopping & Store
- Web based Distributor Information Providing Services
- Insurance System, Online Insurance Solutions Provider
- Integrating Data and Voice Networks - VoIP
- Asynchronous Transfer Mode (ATM) Networks & intelligent Packet Filtering to Avoid Traffic & Congestion
- Adaptive Coding and Packet Rate for TCP - Friendly VoIP Flows - IEEE

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- Mobile based Network Monitoring System
- System to Mobile Communication
- Video Transmission using SIP - IEEE
- Web based Chatting - Multi User Voice Chat
- Network Traffic Anomaly Detector – IEEE
- SIP - Session Initialization Protocol, Chatting
- Monitoring & Managing the Clusters using JMX – IEEE
- Mobile Agents in a Distributed Multimedia Database System – IEEE Approach
- Peer-to-Peer implementation Multithreaded Technology with tuple space
- Network Proctor & Action Coordinator - The Network Monitoring Daemon – IEEE
- P2P (peer-to-peer networking) messaging system-using JXTA – IEEE
- Secured Network manager
- Performance Evaluation o RMI using Latency, Round Trip Time and Packets Per Unit time – IEEE
- Scalable Wireless Ad-Hoc Network Simulation using XTC – IEEE
- Voice Web Browser Implementation
- Network Analyzer, Design & Implementation

IEEE Projects offered @ NCCT

**We are offering IEEE Papers based
Projects in various Domains & Technologies**

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**All Latest, NEW Innovative Projects in various
Technologies & in Various Domains... @ NCCT
YOUR ULTIMATE PROJECT DESTINATION**

- Routing Simulator - An Efficient end to end Packet Delivery system
- Remote Viewer – A Remote Desktop viewer for an Intranet Environment
- Remote City Mapping Implementation using J2ME
- Mobile Clients Support GUI Systems design
- JAVA J2ME – Bluetooth based Application for PDA / Mobile Devices
- Bluetooth equipped mobile phones to support synchronous interaction with public displays
- Bluetooth based Mobile Phone Photo Browser
- IMAP - Internet Mail Access Protocol using Internet Engineering Task Force
- Online PDA – Primary Domain Controller System
- Java Virtual Pad - RFB protocol based Desktop sharing exclusively or on request
- Portable and Generic tool for Web Applications
- Network Document Management & Versioning System
- Dynamic Server Replication System
- Instant Smart Messenger System
- Multi Threaded implementation with Pull / Push Technology
- Tool for Performance Profiling of Web Sites

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- Network Time Tracker system
- Workflow based Complaint Management System
- Project Scrutinizer – Efficient Project Tracking System
- Project Tracking & It Portfolio Management System
- JSP based Shopping Cart Implementation
- ERP & CRM, An Effective implementation of ERP with CRM Solutions
- Financial Accounts - Integrated Financial Accounting Solutions
- Multi Language Mailing system – Design & implementation
- uPortal – University Portal & Education Grid information Service Provider

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the latest new Tools &
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the way You Develop Solutions
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AD HOC NETWORK BASED PROJECTS

- Optimal Multicast Routing in ADHOC Networks With ADHOC Multicast Routing Protocol (AMRoute) – IEEE
- XTC Algorithm based Scalable Wireless AD-HOC Networking – IEEE
- Network Security System in DNS using AD-HOC Networks – IEEE
- Location Aided Routing in Mobile ADHOC Networks for Secured Routing – IEEE

J2ME PROJECTS

- Mobile Banking Design & Implementation - IEEE
- Intelli WAP System Implementation / WAP based information Retrieval System
- J2me Implementation of POP3 Client System / J2ME Mail Client Server Implementation / Mail Downloader Using J2ME
- Remote City Mapping Implementation using J2ME
- Mobile Clients Support GUI Systems design
- JAVA J2ME – Bluetooth based Application for PDA / Mobile Devices
- Bluetooth equipped mobile phones to support synchronous interaction with public displays
- Bluetooth based Mobile Phone Photo Browser
- Mobile Info Service Provider – Online Data & information Access System

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IMAGE PROCESSING PROJECTS

- Digital Image Processing with Multi Domain Approach – IEEE
- Static Image Hand Gesture Recognition using Neural Networks
- Digital Signature Verification using Artificial Neural Networks
- Dynamic Character & Pattern Recognition using Neural Networks
- Image Compression and Analysis with MSE & PSNR Technique – IEEE
- Online Handwritten Script Recognition – IEEE

COMMUNICATION PROJECTS

- ❖ System to Mobile Communication
- ❖ Video Transmission using SIP - IEEE
- ❖ Efficient Contiguous Data & Video Streamer with Buffer Management
- ❖ Web based Chatting - Multi User Voice Chat
- ❖ SIP - Session Initialization Protocol, Chatting
- ❖ VOIP – Flexible & Efficient Voice Communicator, Voice Over IP
- ❖ VVoIP – Voice with Video Over IP Networks

SECURITY PROJECTS

- ❖ Elliptic Curve Cryptography based Threshold Cryptography (ECCTC) Implementation for MANET'S - IEEE
- ❖ Crypt kit – A real time cryptographic system for security over the networks - IEEE
- ❖ Secure Optimal Cyclic Cryptographic System

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- ❖ JSAFE - Rijndael Algorithm based Encryption & Decryption
- ❖ Secured Network manager
- ❖ E-Secure Transaction – Design & Implementation
- ❖ Fire wall - Customized Firewall for internet security & inter-network traffic gateway
- ❖ Secure Password-Based Protocol for Downloading a Private Key

NETWORKING PROJECTS

- ❖ A Distributed Database Architecture for Global Roaming in Next-Generation Mobile Networks – IEEE
- ❖ Adaptive Coding and Packet Rate for TCP - Friendly VoIP Flows - IEEE
- ❖ Asynchronous Transfer Mode (ATM) Networks & intelligent Packet Filtering to Avoid Traffic & Congestion
- ❖ Authenticating Network Attached Storage - IEEE
- ❖ CAC – Connection Admission Control using ATM Networks Implementation
- ❖ Distributed Cache Updating for Dynamic Source Routing Protocol - IEEE
- ❖ Efficient Contiguous Data & Video Streamer with Buffer Management

NETWORKING & COMMUNICATION PROJECTS SPECIALIZATION

Networking & Communication related projects in the Domains of Network Administration, Network Information, Network Monitoring, Network Scanner, Network Testing, Protocol Analyzer, Proxy Server, FTP, Remote Computing, File Encryption & Decryption, Instant Messaging Solutions, Chat Servers, IP Address Monitoring & Management, etc.,

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- ❖ Dynamic Server Replication System
- ❖ Mobile based Network Monitoring System
- ❖ Monitoring & Managing the Clusters using JMX – IEEE
- ❖ Multi Router Traffic Monitor Implementation
- ❖ Grid information Retrieval System
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- ❖ Peer-to-Peer implementation Multithreaded Technology with tuple space

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- ❖ VOIP – Flexible & Efficient Voice Communicator, Voice Over IP
- ❖ XTC Algorithm based Scalable Wireless AD-HOC Networking – IEEE

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Scanner /Testing, Protocol Analyzer, Proxy
Server, FTP, Remote Computing, File
Encryption & Decryption, Instant Messaging
Solutions, Chat Servers, IP Address
Monitoring & Management, etc.,**

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- Modern English Spell Checking tool Design & Implementation
- Web Based Bug Tracking System Implementation
- E-Mail & SMS Assistant – Design & Implementation
- Mobile Agent Software for Payroll Processing System
- J2EE based Quick Car Rental Services Implementation
- Application Installer
- Online ATM Banking & online transactions
- On-Line Book store with online Shopping cart
- Proxy Server - TransProxy
- Career tracer - communicator between job seekers and job providers
- J Chat – A Chatting System over the Internet or local networks
- Client FTP Frame
- Online Airline Reservation Web portal for Traveling service provider
- Computer Resource Management System (CRMS)
- Content management systems (CMS) for University & Education portal
- Credit card system - web-based system facilitates on line operations
- Control System for the Maintenance of Computers
- Web based Customer Support System
- Distributed Channel Management System

**DESIGN & DEVELOP THE SOFTWARE
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- Digital Signatures System Design & Implementation
- Distance Learning System Implementation
- Online E Banking provides online transactions
- E-Boutique - web portal design and implementation
- eSearch - Web based search engine
- Employee Training Tracking System
- E-Learning - web portal design and implementation
- E-Music web-based design system provides online Music
- Web Enabled Automated Manufacturing System - WEAMS
- Fire wall - Customized Firewall for internet security & inter-network traffic gateway
- File Transfer Protocol - FTP Implementation

Projects in JAVA, J2EE, J2ME with EJB – Web Logic, JSP, Servlets, Struts, WAP,

- Hospital Management system
- HR Consultancy and Applicant Database Management with XML
- Intranet Mailing System design and implementation
- Issue tracking System with Bug Tracking, Help Desk Ticketing & Solutions
- Web based Online Library System
- Web based Online Book Store

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- Jobs.com – A Service Provider for Employer & Employee
- JChart for complex business & scientific charts
- JSAFE - Rijndael Algorithm based Encryption & Decryption
- Loyalty Business Tracker Application System
- Mobile Clients Support GUI Systems design
- Net Banking Services Design & Implementation
- Net Conference Design & Implementation
- Design & Implementation of Online Bidding & Auction
- Online Resume Mart System Design
- Online Tutorials - global forum for educators and students
- JEDITOR - Customized Java Editor
- eTutor - Online Tutorial, revolutionizing the tutoring industry
- Pharmaceutical Distribution Automation Software system
- Remote Desktop Capture system
- eSearch - A Search Engine Design & Implementation
- SMTP based JAVA MAIL CLIENT Graphical User Interface system
- Java based Spam Filter implementation
- Telecom Inventory maintenance and services Application with error tracking
- Project based Time & efforts Tracking System Implementation
- Training Organization Management System Implementation
- Web Testing Tool Application - Designed to test & measure performance

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- Web based Job Site Management system – A Exclusive Job Portal with Mega features
- Employee Profile Management System – An Effective Employee Management Resource
- Development of Web enabled Online, Dynamic ATM Card Management System
- Time Synchronization system using java
- ATM Card & CMS application Back Office Management
- Honey Pots – A Security System to Identify Black Hat Community in the Networks
- Intranet Transformation of Voice with Data using Voice Over Internet Protocol (VOIP)
- Bandwidth Congestion Control using Authentication Service for Automatic and Dynamic Reconfiguration System
- Network Load Balancing and Redistribution of the Traffic Over the Networks using Grid Computing System
- Media Streaming in Mobile using J2ME Toolkit
- Efficient Network Routing Protocol with Effective Data Transfer without Packet Loss Over the ADHOC Networks
- Data Communication and File Transferring using Decreased Latency and Block Tracker

**Complete Support will be Provided,
Information / Data CD will be given to
each batch**

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Tomcat, Servlets, RMI, Struts, WAP

- Authentication of Digital Images by Encryption and Decryption with Primary Key Implementation using LSB Algorithm and Steganography
- Efficient Monitoring, Managing, Detection of Networks & its Components using SNMP Protocol
- Implementation of Security Kernel and Firewall using Java
- Media streaming using J2ME
- Unified Interface for Multiple Naming Service using JNDI
- Multiplex SMS relay over GSM using AT commands
- Zero Installation of Client DB Driver using RPC
- Integrated Data Persistence & Synchronization in PDA's
- Distributed Cache Updating for the Dynamic Source Routing Protocol
- Distributed Collaborative Key Agreement & Authentication Protocol for Dynamic Peer Groups
- An Agent-Based Testing for Web Application
- TCP-LP: Low Priority Service via End-Point Congestion Control
- On Self-Fish Routing in Internet Like Environments
- Schema based Enterprise Charting & Reporting for Desktops
- ER – Schema Analyzer with Data Streaming
- Data Hiding in Audio Files with PBE Encryption
- Duplex Messaging for Enterprise Systems
- Integrated Mail Transfer Agents using JAF
- Designing Test Automation System using Native System Input Events
- Components Framework for Developer Network using MVC Pattern

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- An Anti-phishing Strategy Based on Visual Similarity Assessment
- News Feed Syndication Generation over Heterogeneous Networks
- Enterprise Mailing System validation with DNS query using MX Records
- Component based Architecture for WAP Compliant Transactional Services
- On Demand Audio / Video Streaming and rendering Over IP using UDP
- Proactive Port Scanning for Secure Computing Environment
- DDE Thin Client Midlet for Limited Devices using Java Communication
- Denial of Service against the Domain Name System
- Digital Rights Management (DRM) using SOAP
- Multithreaded Networked Data Injector & Extraction Server & Client for Cryptographic Services
- An Identity-Free and On-Demand Routing Scheme against Anonymity Threats in Mobile Ad Hoc Networks
- An SSL Back-End Forwarding Scheme in Cluster-Based Web Servers

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- Anteater-A Service Oriented Architecture for High Performance Data Mining
- Constructing Inter-Domain Packet Filters to Control IP Spoofing Based on BGP Updates
- Cross-Layer Optimization in TCP/IP networks
- Data Security in Ad hoc Networks Using Multipath Routing
- Defending Against Distributed Denial-of-Service Attacks With Max-Min Fair Server
- Distributed Token Circulation in Mobile Ad Hoc Networks
- Versioning Control System using JAVA
- Virtual Private Network using JAVA
- Voice based XML Phone Survey System
- VSAT Simulation and Smart Cache Loader
- WAP based information Retrieval System
- WAP based Route Tracing and Mailing
- WAP Enabled Greeting Card System - WAP Enabled Device User to send greeting card to other WAP Enabled Devices
- Web Enabled Supply Chain Management
- Wireless Application Programming with J2ME and Bluetooth
- Workflow based Complaint Management System
- XML Parser for E-Mail Resumes / Resume Tracking & allotment using XML
- Instant Messaging and Presence Technology for College Campuses
- Intrusion Detection in Wireless Ad-hoc Network

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- Fine Grained Layered Multicast using STAIR
- Logarithmic Store-Carry-Forward Routing in Mobile Ad Hoc Networks
- Network-Wide Prediction of BGP Routes
- NIRA: A New Inter-Domain Routing Architecture
- Online Detection and Prevention of Phishing Attacks
- OPHMR: An Optimized Polymorphic Hybrid Multicast Routing Protocol for MANET
- A Natural Language-Based Interface for Querying a Video Database
- A Route Reconstruction Method Based on Support Group Concept for Mobile Ad hoc Networks
- A Secure Routing Protocol for mobile Ad-hoc Network
- A Trustworthy Mobile Agent Infrastructure for Network Management
- A wireless distributed intrusion detection system and a new attack model
- Allocating Applications in Distributed Computing using JINI
- An Acknowledgment-Based Approach for the Detection of Routing Misbehavior in MANETs

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- Routing and Security in Mobile Ad Hoc Networks
- Scripting JAX-WS
- Simple a Pre-Provisioning Scheme to Enable Fast Restoration
- Site-based Mapping for parallel proxy servers with fewer TCP connections
- StackPi: New Packet Marking and Filtering Mechanisms for DDoS and IP Spoofing Defense
- Watermark Based Digital Rights Management
- A Semantic Web-Based Approach to Knowledge Management for Grid Applications
- A Software Implementation of a Genetic Algorithm Based Approach to Network Intrusion Detection
- Context Oriented Search Engine with Web Crawler
- Converting RTF into XML using the TEI Lite DTD
- CRM based Sales of Fleet & Services Management
- Data and Video Streaming System
- Data Encryption and Compression System with Optimization
- Dealership Management System - Dealers information & Dealings Process Manager
- Defect Tracking Tool - Enterprise Project and Defect Tracking System
- Design & Development of a Distributed, Scalable File Sharing & Access System with Security
- Digital Image Processing – Frequency Domain
- Digital Water Marking for Video Piracy Detection

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- Distributed File Sharing System for Peer to Peer Network
- E-Commerce Shopping cart for B2B Implementation
- EJB Implementation Of Distributed Online Stock Maintenance and Trading
- Graphical Network Browser
- Heterogeneous Networks Control and Implementation
- Implementation of Diagnosis, Packet Capturing and Transaction Monitoring and Administration in IP Network
- Optimizing the Execution of multiple data analysis queries on Parallel & Distributed Environments
- Patient Keeper: Medical Application on mobile Phone
- VPersonalized E-mail Management at Network Edges
- pFusion: A P2P Architecture for Internet-Scale Content-Based Search and Retrieval
- XML Data Stores: Emerging Practices
- XTC: A Practical Topology Control Algorithm for Ad-Hoc Networks
- Image File compression & Transmission across the Network by MDA (Message Digest Algorithm)
- Remote File Consistency Inspector using SHA Algorithm in Mobile Agents (IEEE)

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- Media Gateway Control Protocol Network
- Analyzing Network Traffic in order to Detect possible Intrusions by RED Algorithm
- Route Reservation in Ad Hoc Wireless Networks
- Pre Active Circulated Cache Updating using on Demand Routing Protocol
- Dynamic Load Balancing in Distributed Systems in The Presence Of Delays – A Regeneration Theory Approach
- A Robust Spanning Tree Topology Doe Data Collection and Dissemination in Distributed Environments
- An Acknowledgement Approach for the Detection of Routing Misbehavior in MANETS
- A Fully Distributed Proactively Secure Threshold Multi signature Scheme
- Hybrid Intrusion Detection with Weighted Signature Generation Over Anomalous Internet Episodes
- A Hierarchical Modeling and Analysis for Grid Service Reliability
- Secure Data Hiding and Extractions using BPCS
- SLA-Driven Clustering of QOS Aware Application Servers
- User Interface for Scalable Peer-to-Peer Look Up Service for Internet Telephony
- Advanced Host Monitor Enterprise
- Advanced instant Messenger & Message Broadcasting
- Bug Tracking System - Comprehensive Bug Tracking & Change Management

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- Call Centre Management System
- CALTOOL – Computer Aided Learning Tool
- Cargo Tracking System Design & implementation
- Complete email system with an email server and an email client
- Image Compression and Decompression using Huffman's
- Image Manipulation for Face Recognition
- Implementation of Broadcast Messaging System using Multi Threading
- Asset Management Solution (AMS)
- Implementation of Packet Filtering Firewall in Linux Systems
- Implementation of Peer-to-Peer Communication System with a Centralized Name Server in Linux Network
- Implementation of Secured & Encrypted Data Transmission over the Web
- Implementation of Wireless Application Protocol Gateway in Mobile Network
- Implementation of Wireless Communication Gateway for PC To Mobile Network Route using Internet Protocol
- Integrated & Distributed Enterprise Resource Planning with Customer Relationship Management Support
- Intelli Mobile Banking System Design & Implementation
- Investigation and Analysis of Packets Transformation in an Ethernet Network System
- Java Grid Using Grid Computing System
- Java Network Flow Analyzer

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- Java RMI-based application which manages load balancing on heterogeneous clusters
- Java SMTP, POP, Web Email Server
- Java-to-XML Data Binding tool
- Job Portal Implementation with intelli power features
- JSP - Personal information Manager
- Logistics - freight forwarding software solution logistics
- Multimedia Messaging Service - MMS
- Multiplex & Demultiplex Conversion in Audio / Video Transcoding Systems
- Net Monitoring and Management using SNMP
- Network Administrators to Monitor VPN and SSL Connections
- Network Component Development for XML Document Migration
- Neural Network based Character Pattern Identification System
- On-Line Analytical Processing - Maintenance of Data collection & Reports
- Online Auction with featured shopping cart
- Online Enterprise Resources Planning – Web Enabled ERP implementation with Distributed Database system

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- Online Distributed Human resources Management System
- Online Portfolio Manager – Equity Trading & Mutual Funds management
- Online web enabled Bug Tracking System
- Online Web Shop Mall - Web Shop Site
- Online Workflow Service Manager & Automation
- SNMP Trap Gateway - Network Management
- Software Routing – Packet Filtering & Capturing
- Thin Client Network Implementation
- Ultimate Online Jobsite with intelli Search engine
- Professional time and task management tool
- Public-Key Cryptography Extensions into Kerberos
- RAT (Remote Assistance Tool) is a Java Application
- Resource Planning Tool Design & Implementation (RPT)
- Sales force Automation Implementation
- Sales Order Processing and invoicing (SOPI)
- Secure (RSA) Chat Server

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- Secure Web Cache Proxy Server
- Digital Image Processing – Time Domain
- Secure web conferencing on any platform using Java
- Secured Network Manager & Tracker using JMX
- SFTP Server - Synchronous File Transfer Communicator
- Smart Network Access Using Mobile Bluetooth, J2ME

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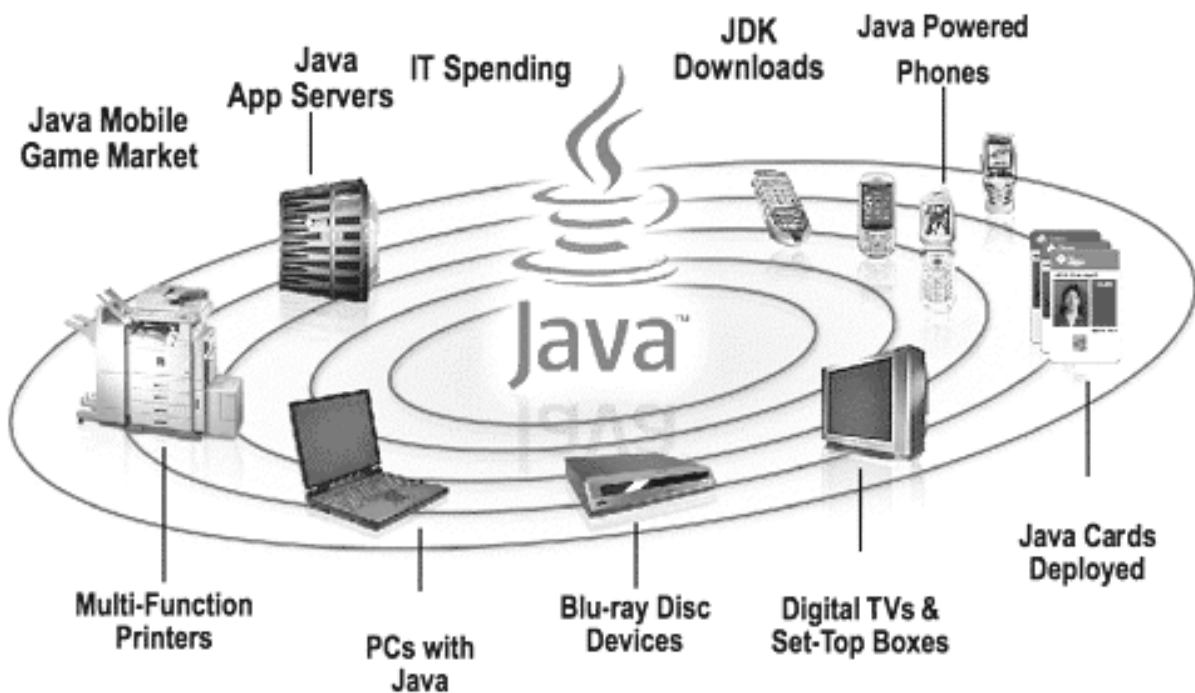
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- Enhancing J2EE software applications
- Application integration / Application porting
- Product development
- Testing of components and software applications

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JAVA TECHNOLOGIES WE USE

- J2EE (Enterprise Java Beans (EJB), Java Server Pages (JSP), Servlet)
- Sun JDK1.3, J2SE, J2EE development platforms
- Core Java, Java Swings, Struts, JDBC, XML
- Java Mail, Java API for XML Processing (JAXP)
- Java 2 Platform, Micro Edition (J2ME) & J2ME Game Development
- Application and Web Server : Microsoft IIS, PWS, IBM WebSphere, Allaire / Macromedia JRun, Tomcat, Apace Server, Cold Fusion Server, WebLogic Server, Microsoft Mobile Server
- Software Engineering Tools : Rational ROSE, Rational Clear Case, ER Studio, Microsoft Project, Visual SourceSafe, Webload, Bugzilla, CASE tools

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- ◆ Unique problem solving skills
- ◆ Distributed Multi-tiered Applications
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- ◆ Web-tier components run on the J2EE server
- ◆ Business-tier components run on the J2EE server
- ◆ Enterprise information system (EIS)-tier software runs on the EIS server

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JAVA & J2EE

The Java 2 Platform, Enterprise Edition (J2EE) was designed to simplify complex problems with the development, deployment, and management of multi-tier enterprise solutions. J2EE is an industry standard, and is the result of a large industry initiative led by Sun Microsystems.

It's important for you to realize that J2EE is a standard, not a product. You cannot "download" J2EE. Rather you download a set of Adobe Acrobat PDF files which describe agreements between applications and the containers in which they run. So long as both sides obey the J2EE contracts, applications can be deployed in a variety of container environments.

The J2EE camp's goal is to give customers choice of vendor products and tools, and to encourage best-of-breed products to emerge through competition. The only way this would ever happen is if the industry as a whole were bought-into J2EE.

To secure buy-in, Sun collaborated with other vendors of eBusiness platforms, such as BEA, IBM, and Oracle, in defining J2EE. Sun then initiated the Java Community Process (JCP) to solicit new ideas to improve J2EE over time.

The reason Sun did this is because they had to do so to achieve success--the best way to secure buy-in to an idea is to involve others in defining that idea.

JAVA: THE FOUNDATION FOR J2EE

The J2EE architecture is based on the Java programming language. What's exciting about Java is that it enables organizations to write their code once, and deploy that code onto any platform. The process is as follows:

Developers write source code in Java

The Java code is compiled into bytecode, which is a cross-platform intermediary, halfway between source code and machine language. When the code is ready to run, the Java Runtime Environment (JRE) interprets this bytecode and executes it at run-time.

J2EE is an application of Java. Your J2EE components are transformed into bytecode and executed by a JRE at runtime. Even the containers are typically written in Java.

J2EE and Web Services

J2EE has historically been an architecture for building server-side deployments in the Java programming language. It can be used to build traditional web sites, software components, or packaged applications.

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J2EE has recently been extended to include support for building XML-based web services as well. These web services can interoperate with other web services that may or may not have been written to the J2EE standard

J2EE application is hosted within a container, which provides qualities of service necessary for enterprise applications, such as transactions, security, and persistence services.

The business layer performs business processing and data logic. In large-scale J2EE applications, business logic is built using Enterprise JavaBeans (EJB) components. This layer performs business processing and data logic.

It connects to databases using Java Database Connectivity (JDBC) or SQL/J, or existing systems using the Java Connector Architecture (JCA). It can also connect to business partners using web services technologies (SOAP, UDDI, WSDL, ebXML) through the Java APIs for XML (the JAX APIs).

Business partners can connect with J2EE applications through web services technologies (SOAP, UDDI, WSDL, ebXML). A servlet, which is a request/response oriented Java object, can accept web service requests from business partners.

The servlet uses the JAX APIs to perform web services operations. Shared context services will be standardized in the future through shared context standards that will be included with J2EE.

Traditional 'thick' clients such as applets or applications connect directly to the EJB layer through the Internet Inter-ORB Protocol (IIOP) rather than web services, since generally the thick clients are written by the same organization that authored J2EE application, and therefore there is no need for XML-based web service collaboration.

Web browsers and wireless devices connect to JavaServer Pages (JSPs) which render user interfaces in HTML, XHTML, or WML.

Reference Implementation

In addition to the specifications, Sun also ships a reference implementation of J2EE. Developers write applications to this to ensure portability of their components.

This implementation should not be used for production, but rather just for testing purposes.

Additional Services

All vendors that offer J2EE platforms provide additional features not found in the standard. Some of them impact portability, such as extended EAI functionality, E-Commerce components, or advanced B2B integration.

Other features, such as load-balancing, transparent fail-over, and caching, do not affect portability of application code, because they are implicit services which are provided behind-the-scenes by the container

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ADVANTAGES OF J2EE AGAINST .NET

- J2EE is being marketed by an entire industry
- J2EE is a proven platform, with a few new web services APIs. .NET is a rewrite and introduces risk as with any first-generation technology
- Only J2EE lets you deploy web services today
- Existing J2EE code will translate into a J2EE web services system without major rewrites. Not true for Windows DNA code ported to .NET.
- .NET web services are not interoperable with current industry standards. Their BizTalk framework has proprietary SOAP extensions and does not support ebXML.
- J2EE is a more advanced programming model, appropriate for well-trained developers who want to build more advanced object models and take advantage of performance features
- J2EE lets you take advantage of existing hardware you may have
- J2EE gives you platform neutrality, including Windows. You also get good (but not free) portability. This isolates you from heterogeneous deployment environments.
- J2EE has a better legacy integration story through the Java Connector Architecture (JCA)
- J2EE lets you use any operating system you prefer, such as Windows, UNIX, or mainframe. Developers can use the environment they are most productive in.
- J2EE lets you use Java, which is better than C# due to market-share and maturity. According to Gartner, there are 2.5 million Java developers. IDC predicts this will grow to 4 million by 2003. 78% universities teach Java, and 50% of universities require Java.
- We would not want to use any language other than C# or Java for development of new mission-critical solutions, such as a hacked object-oriented version of C, VB, or COBOL.
- We are finding most ISVs and consulting companies going with J2EE because they cannot control their customers' target platforms. We believe this application availability will result in J2EE beginning to dominate more and more as time goes on

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