A PBL REPORT

ON

"IT SERVER MANAGEMENT"

Submitted to

Prof. T.B.Patil

INFORMATION TECHNOLOGY, BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) COLLEGE OF ENGINEERING, PUNE

In Partial Fulfilment of the Requirement for the Award of

BACHELOR'S DEGREE IN

INFORMATION TECHNOLOGY

BY

Seat no.	PRN	Name
2422930526	2214110242	Anjanikumar Choubey
2422930574	2214110250	Umair Ahmed
2422930536	2214110253	Premansh Khandare
2422930547	2214110268	Dhairya Shandilya

UNDER THE GUIDANCE OF

Prof. T.B.Patil

DEPARTMENT OF INFORMATIOJ TECHNOLOGY

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)

COLLEGE OF ENGINEERING, PUNE, INDIA - 411043

2023-2024

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE, INDIA-411043
2023-2024

CERTIFICATE

This is to certify that the project entitled

"IT SERVICE MANAGEMNET"

submitted by

Seat no.	PRN	Name
2422930526	2214110242	Anjanikumar Choubey
2422930574	2214110250	Umair Ahmed
2422930536	2214110253	Premansh Khandare
2422930547	2214110268	Dhairya Shandilya

is a record of bona fide work carried out by them, in the partial fulfilment of the requirement for the award of Degree of Bachelor of Technology in Information Technology at Bharati Vidyapeeth (Deemed to Be University) College of Engineering, Pune, India. This work is done during academic year 2023-2024.

Date: 25/04/2024

Signature
Prof. T.B.Patil
(PBL Guide)

ACKNOWLEDGEMENT

We would like to express deepest appreciation towards Dr Vidula Sohoni, Principal, Bharati Vidyapeeth (Deemed to Be University) College of Engineering, Pune, India and Dr. Sandeep Vanjale Head of Department of IT, who invaluable supported us in completing this project.

We are profoundly grateful to Prof. T.B.Patil, Project guide for his expert guidance and continuous encouragement throughout to see that this project rights, its target since its commencement to its completion.

At last, we must express our sincere heartfelt gratitude to all the staff members of IT Department who helped me directly or indirectly during this course of work.

Anjanikumar Choubey

Umair Ahmed

Premansh Khandare

Dhairya Shandilya

Table Of Content

Introduction

In today's rapidly evolving digital landscape, the effective management of IT services has become paramount for organizations striving to maintain a competitive edge, enhance operational efficiency, and deliver exceptional customer experiences. IT Service Management (ITSM) emerges as a strategic approach that enables businesses to align their IT services with the needs of the organization and its customers while ensuring optimal performance, reliability, and security.

At its core, ITSM encompasses a set of policies, processes, and procedures designed to plan, deliver, operate, and control IT services in a structured manner. It serves as a framework that enables organizations to streamline their IT operations, enhance service quality, and foster collaboration across various departments and stakeholders.

Key objectives of ITSM include:

Service Alignment: ITSM focuses on aligning IT services with the overall goals and objectives of the organization, ensuring that technology investments contribute directly to business success and growth.

Continuous Improvement: Through continuous monitoring, evaluation, and refinement of IT processes, ITSM facilitates ongoing improvement in service delivery, efficiency, and cost-effectiveness.

Enhanced Customer Satisfaction: By prioritizing the needs and expectations of customers, ITSM helps organizations deliver superior service experiences, leading to increased customer satisfaction and loyalty.

Risk Mitigation: ITSM frameworks incorporate robust security measures and risk management practices to safeguard critical IT assets, data, and infrastructure from potential threats and vulnerabilities.

Resource Optimization: ITSM enables organizations to optimize their IT resources, ensuring that investments in technology and human capital are utilized effectively to drive business value.

In today's interconnected world, where technology serves as a catalyst for innovation and growth, ITSM emerges as a cornerstone of organizational success. By embracing ITSM principles and best practices, businesses can navigate the complexities of the digital landscape with confidence, resilience, and agility, empowering them to thrive in an ever-changing market environment.

ITM and its Scope

In today's digital age, Information Technology Management (ITM) plays a critical role in the effective utilization, maintenance, and strategic deployment of technology within organizations. ITM encompasses a wide range of activities aimed at aligning technology resources with business goals, optimizing IT operations, and maximizing the value derived from IT investments. Its scope extends across various dimensions, encompassing both technical and managerial aspects of IT within an organization.

1. **Strategic Planning and Governance:**

At the strategic level, ITM involves the development of long-term IT strategies and governance frameworks that align technology initiatives with organizational objectives. This includes defining IT policies, establishing decision-making structures, and ensuring compliance with regulatory requirements.

2. **Infrastructure Management:**

ITM encompasses the management of IT infrastructure, including hardware, software, networks, and data centers. This involves tasks such as procurement, installation, configuration, maintenance, and monitoring to ensure optimal performance, reliability, and security of IT assets.

3. **Application Management:**

Application management within ITM involves the planning, deployment, and maintenance of software applications used within an organization. This includes tasks such as software development, customization, integration, testing, and ongoing support to meet the evolving needs of users and business processes.

4. **IT Service Management (ITSM):**

ITM includes IT Service Management (ITSM), which focuses on the delivery and support of IT services to meet the needs of customers and end-users. ITSM frameworks such as ITIL (Information Technology Infrastructure Library) provide best practices for service design, transition, operation, and improvement, ensuring efficient and effective delivery of IT services.

5. **Security Management:**

Security management is a critical component of ITM, involving the implementation of measures to protect IT assets, data, and systems from unauthorized access, cyber threats, and data breaches. This includes risk assessment, security policies, access controls, encryption, and incident response procedures.

6. **Performance Monitoring and Optimization:**

ITM encompasses the monitoring and optimization of IT systems and services to ensure they meet performance targets and service level agreements (SLAs). This involves the use of monitoring tools, performance metrics, and analytics to identify bottlenecks, optimize resource utilization, and improve overall IT efficiency.

7. **Change and Risk Management:**

ITM includes change management processes to assess, prioritize, and implement changes to IT systems and services while minimizing disruption and risk to the organization. This involves change planning, impact analysis, testing, and communication to stakeholders.

8. **Vendor and Supplier Management:**

ITM involves managing relationships with external vendors and suppliers to procure IT products and services that meet the organization's requirements. This includes vendor selection, contract negotiation, performance monitoring, and vendor relationship management.

Conclusion:

In summary, IT Management (ITM) encompasses a broad range of activities aimed at effectively managing and leveraging technology resources to support organizational goals and objectives. Its scope includes strategic planning, infrastructure and application management, IT service delivery, security management, performance optimization, change and risk management, and vendor management.

IT Service Management

IT Service Management for an Insurance Website: Enhancing Customer Experience and Operational Efficiency

In the competitive landscape of the insurance industry, providing seamless online services and exceptional customer experiences is paramount for success. An IT service management (ITSM) project tailored to an insurance website aims to streamline operations, improve service delivery, and ensure the highest level of satisfaction for both customers and internal stakeholders.

1. **Service Design and Development:**

The ITSM project begins with the design and development of the insurance website, focusing on user-centric design principles, intuitive navigation, and robust functionality. This phase involves collaboration between IT professionals, web developers, UX/UI designers, and business stakeholders to ensure that the website meets the specific needs of insurance customers.

2. **Service Transition and Deployment:**

During the transition phase, the ITSM team oversees the deployment of the insurance website, ensuring a smooth transition from development to production environment. This includes rigorous testing, quality assurance, and coordination with IT operations teams to minimize downtime and disruptions during deployment.

3. **Service Operation and Support:**

Once the website is live, the ITSM project focuses on ongoing service operation and support to ensure optimal performance and availability. This involves monitoring website traffic, performance metrics, and user feedback to proactively identify and address any issues or bottlenecks that may arise. A dedicated support team is established to provide timely assistance and resolution to customer inquiries, technical issues, and service requests.

4. **Incident and Problem Management:**

As part of ITSM best practices, incident and problem management processes are implemented to effectively manage and resolve any disruptions or incidents affecting the website's availability or functionality. This includes incident logging, classification, prioritization, and escalation to ensure timely resolution and minimal impact on users.

5. **Change Management and Continuous Improvement:**

To maintain the agility and relevance of the insurance website, change management processes are implemented to assess, prioritize, and implement changes or enhancements. This includes regular updates, feature enhancements, and security patches to address evolving customer needs and industry trends. Continuous improvement initiatives are driven by data analytics, user feedback, and industry best practices to optimize the website's performance and user experience over time.

6. **Security and Compliance:**

Given the sensitive nature of insurance-related data, robust security measures are implemented to safeguard customer information, transactions, and communications on the website. This includes encryption, access controls, intrusion detection, and regular security audits to ensure compliance with industry regulations and standards such as GDPR and PCI-DSS.

Conclusion:

In conclusion, an IT service management project focused on an insurance website is essential for delivering seamless online services, enhancing customer experiences, and maintaining operational efficiency in the insurance industry.

Website

- **Insurance** Website is a multifaceted online platform offering a wide array of insurance products and services. Tailored to meet diverse needs, it encompasses various insurance categories such as auto, home, health, and travel. With its intuitive multipage structure, users can easily navigate through different sections to explore insurance options, obtain quotes, and initiate purchases. Key features include instant quote generation, claims processing, customer support channels, educational resources, and account management functionalities. Overall, the General Insurance Website serves as a centralized hub for individuals and businesses to conveniently access and manage their insurance needs online.

- **Features**: -

  Product Offering: Provides a range of insurance products such as auto insurance, home insurance, health insurance, life insurance, travel insurance, and more.

  Quote Generation: Enables users to input their details and requirements to receive instant insurance quotes tailored to their needs.

  Policy Comparison: Offers tools or tables for users to compare different insurance policies based on coverage, premiums, deductibles, and other parameters.

  Online Purchasing: Allows users to initiate and complete the purchase of insurance policies directly through the website, with secure payment options.

  Claims Management: Provides facilities for users to report claims online, track the progress of claims processing, and submit relevant documentation electronically.

  Customer Support: Offers various channels for customer support such as live chat, email, helpline, or online contact forms to address inquiries, concerns, and assistance needs.

  Educational Resources: Provides informative articles, guides, FAQs, and tools to help users understand insurance concepts, coverage options, and make informed decisions.

  Policy Management: Allows registered users to manage their insurance policies, view policy details, make changes to coverage, update personal information, and renew policies online.

  Document Access: Offers access to policy documents, certificates of insurance, invoices, and other relevant documents in digital format for easy retrieval and reference.

Notifications and Reminders: Sends automated notifications and reminders to users for policy renewals, premium payments, and other important deadlines.

Personalized Recommendations: Utilizes user data and preferences to offer personalized insurance recommendations, discounts, and promotions.

Feedback and Reviews: Provides avenues for users to submit feedback, reviews, and ratings to help improve services and enhance user experience.

ITM supports in the Website

In the modern landscape of the insurance industry, the role of technology has become increasingly pivotal, with insurance websites serving as the digital gateway for customer interactions, policy management, and service delivery. IT Management (ITM), particularly through the lens of IT Service Management (ITSM), plays a crucial role in ensuring the seamless operation, optimization, and security of these platforms. Here's how insurance websites are intricately related to ITM:

1. **Service Design and Delivery**:

Insurance websites are a manifestation of services offered by insurance companies to their customers. ITM encompasses the design, delivery, and ongoing management of these digital services. From designing intuitive user interfaces to ensuring robust functionality and performance, ITM practices ensure that the insurance website meets the evolving needs and expectations of users.

2. **Operational Efficiency**:

Efficient IT management practices are essential for maintaining the operational efficiency of insurance websites. ITSM frameworks provide guidelines for streamlining processes, automating routine tasks, and optimizing resource utilization, thereby enhancing the overall efficiency of website operations. This includes incident management, problem resolution, change management, and capacity planning to minimize downtime and disruptions.

3. **Customer Experience and Engagement**:

Insurance websites serve as the primary touchpoint for customers to access information, purchase policies, file claims, and interact with insurers. ITM plays a critical role in enhancing the customer experience through seamless navigation, personalized content, and responsive design. By leveraging ITSM principles, insurers can deliver a superior online experience, fostering customer satisfaction, loyalty, and retention.

4. **Security and Compliance**:

Security is paramount in the insurance sector, given the sensitive nature of customer data and financial transactions. ITM frameworks provide robust security measures and compliance standards to safeguard against cyber threats, data breaches, and regulatory violations. This includes encryption, access controls, vulnerability assessments, and regular audits to ensure the confidentiality, integrity, and availability of data on insurance websites.

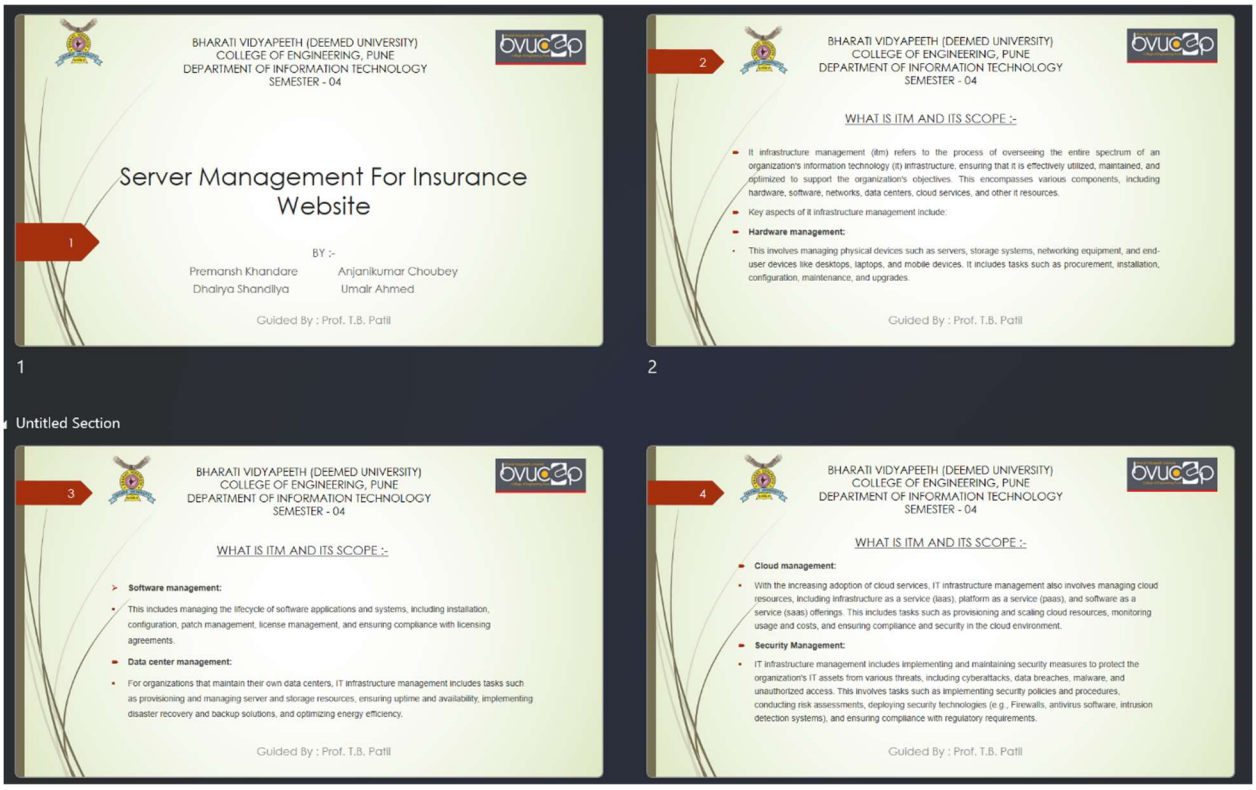
5. **Continuous Improvement**:

Insurance websites must evolve continuously to adapt to changing market dynamics, technological advancements, and customer preferences. ITM facilitates continuous improvement through data-driven insights, performance monitoring, and feedback mechanisms. By analysing user behaviour, website metrics, and market trends, insurers can identify areas for enhancement, prioritize initiatives, and drive innovation to stay ahead of the competition.

6. **Business Continuity and Disaster Recovery**:

ITM encompasses robust business continuity and disaster recovery planning to mitigate the impact of unforeseen events on insurance websites. This includes backup systems, redundancy measures, and contingency plans to ensure uninterrupted service delivery in the event of hardware failures, natural disasters, or cyberattacks, thereby safeguarding business operations and customer trust.

Handouts


BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04
Server Management For Insurance Website
BY :-
Premansh Khandare
Anjanikumar Choubey
Dhairya Shandilya
Umair Ahmed
Guided By : Prof. T.B. Patil
1
2
WHAT IS ITM AND ITS SCOPE :-
It infrastructure management (itm) refers to the process of overseeing the entire spectrum of an organization's information technology (it) infrastructure, ensuring that it is effectively utilized, maintained, and optimized to support the organization's objectives. This encompasses various components, including hardware, software, networks, data centers, cloud services, and other it resources.
Key aspects of it infrastructure management include:
Hardware management:
This involves managing physical devices such as servers, storage systems, networking equipment, and end-user devices like desktops, laptops, and mobile devices. It includes tasks such as procurement, installation, configuration, maintenance, and upgrades.
Untitled Section
3
4
Software management:
This includes managing the lifecycle of software applications and systems, including installation, configuration, patch management, license management, and ensuring compliance with licensing agreements.
Data center management:
For organizations that maintain their own data centers, IT infrastructure management includes tasks such as provisioning and managing server and storage resources, ensuring uptime and availability, implementing disaster recovery and backup solutions, and optimizing energy efficiency.
Cloud management:
With the increasing adoption of cloud services, IT infrastructure management also involves managing cloud resources, including infrastructure as a service (iaas), platform as a service (paas), and software as a service (saas) offerings. This includes tasks such as provisioning and scaling cloud resources, monitoring usage and costs, and ensuring compliance and security in the cloud environment.
Security Management:
IT infrastructure management includes implementing and maintaining security measures to protect the organization's IT assets from various threats, including cyberattacks, data breaches, malware, and unauthorized access. This involves tasks such as implementing security policies and procedures, conducting risk assessments, deploying security technologies (e.g., Firewalls, antivirus software, intrusion detection systems), and ensuring compliance with regulatory requirements.
5
6
Compliance and governance:
Ensuring compliance with relevant regulations, standards, and internal policies is essential for IT infrastructure management. This includes compliance with data protection regulations, industry standards (e.g., PCI DSS, HIPAA), and internal governance frameworks. IT infrastructure managers must establish controls, conduct audits, and implement measures to ensure compliance and mitigate risks.
Capacity planning and scalability:
IT infrastructure managers need to anticipate future needs and plan for the scalability and growth of IT infrastructure resources. This involves capacity planning, forecasting demand, scaling resources up or down as needed, and optimizing resource utilization to meet business requirements efficiently.
Vendor Management:
IT infrastructure managers often work with third-party vendors, suppliers, and service providers for hardware, software, and services. Managing vendor relationships, contracts, service level agreements (SLAs), and procurement processes is essential to ensure the smooth operation of IT infrastructure and services.
Monitoring and Performance Management:
IT infrastructure managers are responsible for monitoring the health, performance, and availability of IT systems and services. This involves deploying monitoring tools, collecting and analyzing performance metrics, identifying bottlenecks or issues, and implementing optimizations to ensure optimal performance and reliability.
7
8
About our Website
Insurancy Website is a multifaceted online platform offering a wide array of insurance products and services. Tailored to meet diverse needs, it encompasses various insurance categories such as auto, home, health, and travel. With its intuitive multipage structure, users can easily navigate through different sections to explore insurance options, obtain quotes, and initiate purchases. Key features include instant quote generation, claims processing, customer support channels, educational resources, and account management functionalities. Overall, the General Insurance Website serves as a centralized hub for individuals and businesses to conveniently access and manage their insurance needs online.
Features :-
Product Offering: Provides a range of insurance products such as auto insurance, home insurance, health insurance, life insurance, travel insurance, and more.
Quote Generation: Enables users to input their details and requirements to receive instant insurance quotes tailored to their needs.
Policy Comparison: Offers tools or tables for users to compare different insurance policies based on coverage, premiums, deductibles, and other parameters.


9
BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04
About our Website
Features :-
Online Purchasing: Allows users to initiate and complete the purchase of insurance policies directly through the website, with secure payment options.
Claims Management: Provides facilities for users to report claims online, track the progress of claims processing, and submit relevant documentation electronically.
Customer Support: Offers various channels for customer support such as live chat, email, helpline, or online contact forms to address inquiries, concerns, and assistance needs.
Guided By : Prof. T.B. Patil
9
10
BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04
About our Website
Features :-
Educational Resources: Provides informative articles, guides, FAQs, and tools to help users understand insurance concepts, coverage options, and make informed decisions.
Policy Management: Allows registered users to manage their insurance policies, view policy details, make changes to coverage, update personal information, and renew policies online.
Document Access: Offers access to policy documents, certificates of insurance, invoices, and other relevant documents in digital format for easy retrieval and reference.
Guided By : Prof. T.B. Patil
10
11
BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04
About our Website
Features :-
Notifications and Reminders: Sends automated notifications and reminders to users for policy renewals, premium payments, and other important deadlines.
Personalized Recommendations: Utilizes user data and preferences to offer personalized insurance recommendations, discounts, and promotions.
Feedback and Reviews: Provides avenues for users to submit feedback, reviews, and ratings to help improve services and enhance user experience.
Guided By : Prof. T.B. Patil
11
12
BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04
Our Offerings
We offer a comprehensive range of insurance products tailored to meet diverse needs and requirements. Our insurance offerings include:-
Auto Insurance: Protecting vehicles against damage, theft, and liability in case of accidents.
Home Insurance: Safeguarding homes and belongings from risks such as fire, theft, natural disasters, and liability.
Health Insurance: Providing coverage for medical expenses, hospitalization, and healthcare services, ensuring financial security during illnesses or injuries.
Guided By : Prof. T.B. Patil
12
13
BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04
Our Offerings
Life Insurance: Offering financial protection to beneficiaries in the event of the policyholder's death, including term life, whole life, and universal life insurance options.
Travel Insurance: Ensuring coverage for unexpected events during domestic or international travel, including trip cancellation, medical emergencies, and lost luggage.
Business Insurance: Protecting businesses against various risks such as property damage, liability claims, business interruption, and employee-related risks.
Guided By : Prof. T.B. Patil
13
14
BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04
Our Offerings
Disability Insurance: Offering income replacement for individuals unable to work due to disability or illness, ensuring financial stability during challenging times.
Liability Insurance: Covering legal liabilities arising from bodily injury, property damage, or personal injury claims against individuals or businesses.
Renter's Insurance: Protecting tenants' personal belongings and liability in rented properties against risks such as theft, fire, or water damage.
Guided By : Prof. T.B. Patil
14
15
BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04
Our Offerings
Boat and Watercraft Insurance: Ensuring coverage for boats, yachts, and other watercraft against damage, accidents, and liability on water bodies.
Specialty Insurance: Providing specialized coverage for unique risks, such as event insurance, cyber liability insurance, and professional liability insurance.
Umbrella Insurance: Offering additional liability coverage beyond the limits of primary insurance policies, providing extra protection against unforeseen events.
Guided By : Prof. T.B. Patil
16
BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04
FAQs Feature
Our insurance website incorporates a Frequently Asked Questions (FAQ) feature to provide users with quick and easy access to commonly asked questions and answers related to our products, services, and policies. The FAQ section serves as a valuable resource for users seeking information and clarification on various aspects of insurance coverage and our website functionalities.
Key features of our FAQ section include:
Comprehensive Coverage: The FAQ section covers a wide range of topics, including policy coverage details, premium payments, claims processing, eligibility criteria, and more, addressing common queries that users may have.
User-Friendly Interface: The FAQ section is designed with a user-friendly interface, allowing users to browse through questions categorically or search for specific topics using keywords or phrases.
Guided By : Prof. T.B. Patil

17

BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04

FAQs Feature

- **Clear and Concise Answers**: Each FAQ entry provides clear and concise answers to the corresponding question, ensuring that users can easily understand the information provided.
- **Updated Information**: We regularly update the FAQ section to incorporate new questions, address emerging concerns, and reflect any changes in policies or procedures, ensuring that users have access to the most up-to-date information.
- **Accessibility**: The FAQ feature is accessible across various devices, including desktops, laptops, smartphones, and tablets, allowing users to access information conveniently at any time and from anywhere.
- **Feedback Mechanism**: We encourage users to provide feedback on the FAQ section, allowing us to continuously improve and enhance the content based on user input and evolving needs.

Guided By : Prof. T.B. Patil

17

18

BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04

FAQs Feature

Guided By : Prof. T.B. Patil

18

19

BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04

Server Side of our Website

- On the server side of our insurance website, a crucial component is the integration of the user details form with an Excel sheet acting as our server. This integration facilitates the seamless collection and storage of user data submitted through the form. Upon submission, the server processes the incoming data, validating and securely storing it within the Excel sheet database. This server-side mechanism ensures efficient management of user information, allowing for easy retrieval and analysis as needed. Additionally, employing Excel as the server provides a cost-effective and accessible solution for handling data storage and retrieval tasks. With appropriate security measures in place, such as encryption and access controls, we maintain the confidentiality and integrity of user data, reinforcing trust and compliance with data protection regulations. Overall, the integration of the user details form with an Excel sheet on the server side optimizes data management processes, enhancing the functionality and reliability of our insurance website.

Guided By : Prof. T.B. Patil

19

20

BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04

Server Side of our Website

- This is the code for the take the information from user and save their data.

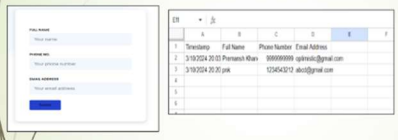
Guided By : Prof. T.B. Patil

20

21

BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04

Server Side of our Website



- The user can fill the form and their information will store in this excel file.
- All the data is safe and there is scalable and secure data of the user.

Guided By : Prof. T.B. Patil

21

22

BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04

Advantages of Server Side

- In the context of our insurance website, implementing server-side functionalities offers numerous advantages that contribute to its functionality, security, and efficiency. Some of the key advantages of server-side processing include:
- **Data Security**: By processing user data on the server side, we can implement robust security measures such as encryption, access controls, and regular security audits to safeguard sensitive information from unauthorized access, ensuring compliance with data protection regulations and maintaining user trust.
- **Centralized Data Management**: Server-side processing allows for centralized storage and management of user data, ensuring consistency and reliability across the website. This centralized approach simplifies data retrieval, updates, and maintenance tasks, reducing the risk of data inconsistencies or errors.

Guided By : Prof. T.B. Patil

22

23

BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04

Advantages of Server Side

- **Scalability**: Server-side processing enables us to scale our website infrastructure to accommodate growing user traffic and data volumes. By deploying scalable server resources, we can handle increased demand without compromising performance or user experience, ensuring seamless access to our services.
- **Customization and Personalization**: Server-side processing enables us to tailor the user experience based on individual preferences, history, and interactions. By analyzing user data stored on the server, we can deliver personalized recommendations, content, and services, enhancing user engagement and satisfaction.
- **Improved Performance**: Processing tasks on the server side reduces the workload on client devices, leading to improved website performance and responsiveness. By offloading resource-intensive computations and data processing tasks to server infrastructure, we can deliver faster load times and smoother user interactions, even on low-powered devices or slow internet connections.

Guided By : Prof. T.B. Patil

23

24

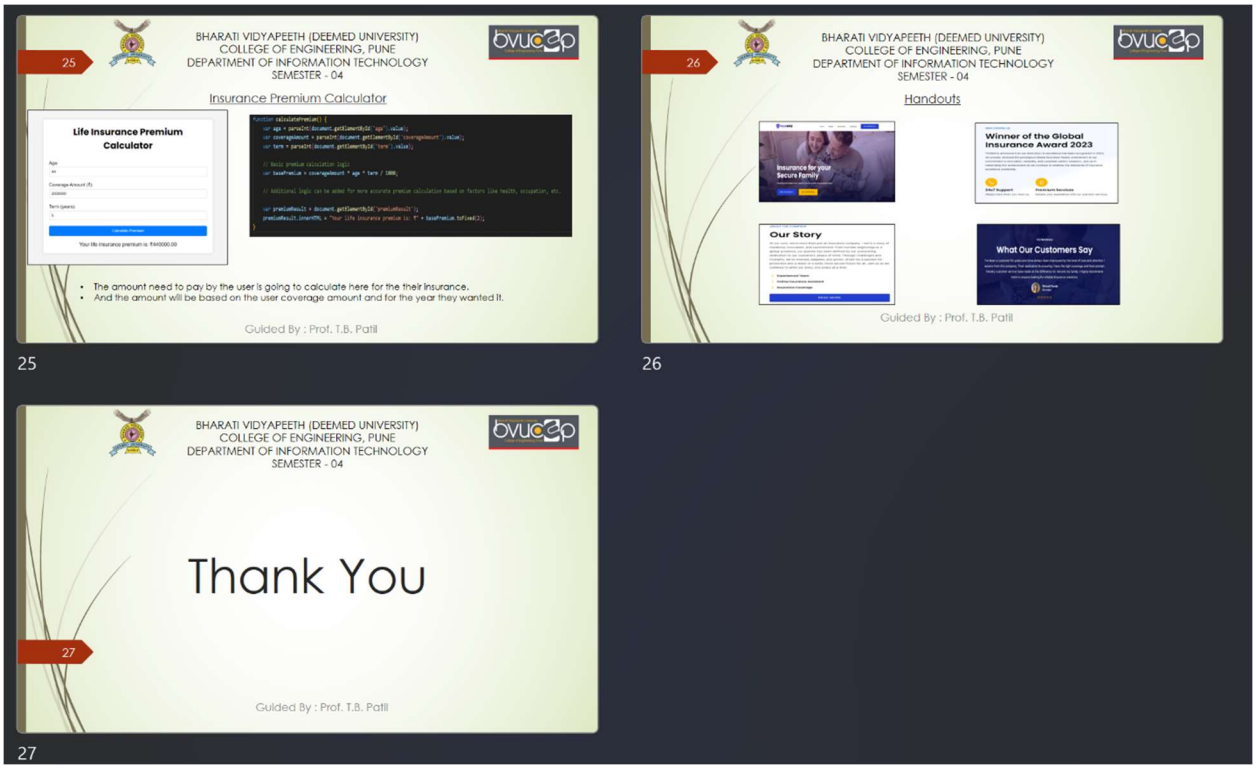
BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04

Advantages of Server Side

- **Cross-Platform Compatibility**: Server-side processing ensures consistent functionality and performance across different devices and platforms. By handling complex computations and data processing tasks on the server, we can deliver a consistent user experience regardless of the user's device or operating system, enhancing accessibility and usability.
- **Enhanced Analytics and Insights**: Server-side processing allows us to gather valuable insights into user behavior, preferences, and trends. By analyzing server logs and data collected during user interactions, we can identify patterns, optimize website performance, and make informed decisions to improve our services and offerings.

Guided By : Prof. T.B. Patil

24


25
BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04
Insurance Premium Calculator
Life Insurance Premium Calculator
The amount need to pay by the user is going to calculate here for the their insurance.
And the amount will be based on the user coverage amount and for the year they wanted it.
Guided By : Prof. T.B. Patil
25
26
BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04
Handouts
Insurance for your Secure Family
Winner of the Global Insurance Award 2023
Our Story
What Our Customers Say
Guided By : Prof. T.B. Patil
26
BHARATI VIDYAPEETH (DEEMED UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
SEMESTER - 04
Thank You
27
Guided By : Prof. T.B. Patil
27

Summary

In the modern insurance landscape, the significance of technology is paramount, with insurance websites serving as crucial digital platforms for customer engagement, service delivery, and operational efficiency. This summary highlights the pivotal role of IT Management (ITM), particularly through IT Service Management (ITSM), in ensuring the seamless operation, optimization, and security of insurance websites.