CATALOGUE OF B.E. PROJECT

Academic Year: 2025-2026

DEPARTMENT OF INFORMATION TECHNOLOGY

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Group No.	1
Title :	REAL TIME MULTILINGUAL PROFESSIONAL INTERACTION AND RECORD PLATFORM
Guide Name :	Dr. Roopali Lolalge
Group member :	MAURYA JAYKIT AMARJIT JOSHI NIKSHIT GIRISH DUBE SMRITI PRAMOD DHULE VAISHNAVI RAVINDRA
Abstract :	System. Abstract: This web application streamlines professional interactions with secure access control, instant messaging, peer-to-peer calls, and AI-powered multilingual translation. It tracks communications, meetings, and professional records for efficient history management. AI-driven grammar, tone, and etiquette suggestions enhance professionalism in real time. Instant notifications keep employees updated, ensuring seamless and productive workplace communication.
Group No.	2
Title :	NEODETECT : NEXT -GEN CANCER DETECTION WITH DEEP LEARNING
Guide Name :	Dr. Roopali Lolalge
Group member :	JOSHI PANKAJ ANAND, KHAN NUMAN AARIF, GUPTA ARYAN RAJENDRA, JHA ABHISHEK BIPIN
Abstract :	Early and accurate detection of cancer is a critical factor in improving treatment outcomes and survival rates. Despite advancements in medical diagnostics, identifying cancer at its nascent stages remains a complex challenge. NeoDetect: Next-Gen Cancer Detection with Deep Learning aims to address this challenge by leveraging deep learning techniques to develop a highly accurate, efficient, and automated cancer detection system. NeoDetect employs advanced deep learning algorithms, such as Convolutional Neural Networks (CNNs) and other cutting-edge models, to analyze various forms of clinical data, including patient records, lab results, and medical signals. By learning patterns from vast datasets, NeoDetect is capable of detecting early markers of cancer, even in cases where traditional diagnostic methods may struggle. The system is designed to not only identify the presence of cancer but also predict its type, severity, and progression, enabling a more personalized approach to treatment. The project also explores strategies to enhance model performance through techniques like transfer learning and data augmentation, ensuring the system can generalize effectively across different types of cancer and diverse populations. The result is a next-generation tool that aids healthcare professionals by providing fast, reliable, and actionable insights, allowing for quicker diagnoses and more informed treatment decisions. NeoDetect represents a breakthrough in the integration of deep learning into healthcare, with the potential

Group No.	3
Title :	MULTIPLE DISEASES PREDICTION USING XGBOOST MACHINE LEARNING
Guide Name :	Dr. Roopali Lolalge
Group member :	SINGH OMPRAKASH PRAMOD, POWAR ATHARV SHRIKANT, PANDEY SHIVAM
Abstract :	Healthcare is one of the most critical fields where technology can improve decision-making and patient care. Early detection of diseases can save lives and reduce treatment costs. Traditional diagnosis methods are often manual, time-consuming, and prone to human error. To address this, machine learning techniques are used to build automated prediction systems. This project focuses on developing a Multiple Disease Prediction system that can predict the likelihood of different diseases such as Diabetes, Heart Disease, and Parkinson's Disease based on patient data. The system collects input features like age, gender, blood pressure, glucose level, cholesterol, and other medical parameters. Machine learning algorithms such as Logistic Regression, Random Forest, Support Vector Machine (SVM), and XGBoost are applied and compared to find the most accurate model. The proposed system enables faster and more reliable disease prediction, assisting doctors in decision-making and helping patients take preventive measures at an early stage. By providing accurate results in less time, the project aims to improve healthcare efficiency and support medical professionals in delivering better patient outcomes.
Group No.	4
Title :	Extended Reality Framework for Cultural Heritage Preservation
Guide Name :	Dr. Roopali Lolalge
Group member :	PRAJAPATI ABHAY DINESH, SHAIKH SHAIBAN SARFRAZ, SINGH ADARSH AJAY, YADAV ANUJ ASHOK
Abstract :	This project develops an immersive extended reality (XR) platform that digitally preserves and showcases heritage assets using AR, VR, and MR technologies. By leveraging photogrammetry, LiDAR-based 3D reconstruction, and volumetric capture, the framework enables highly realistic simulations of monuments, traditions, and cultural experiences. For immersive media integration, 360° video playback is supported through iframe embedding, while 360° images are rendered using a dedicated framework to ensure smooth and interactive exploration.Personalization is enhanced with AI-powered recommendation engines, while NLP-driven multilingual narrations make cultural experiences accessible across languages. Additionally, an AI chatbot has been integrated to guide users, answer queries, and provide an intuitive, conversational interface, ensuring a smooth and engaging experience. The framework addresses the challenge of digitally safeguarding both tangible and intangible heritage in a scalable, interactive, and future-ready ecosystem.
Group No.	5
Title :	WANDERLUST : A ONLINE MARKETPLACE CONNECTING PEOPLE WHO NEED SHORT TERM ACCOMMODATION WITH HOSTS WHO HAVE SPARE ROOMS OR PROPERTIES TO RENT OUT.
Guide Name :	Dr. Vikas Kaul
Group member :	DUBEY ADARSHKUMAR RAMESH, DUBEY AKSHIT AJAY, GUPTA SOURAV RAKESH, NAGVENKAR DEVANG DEVDATTA
Abstract :	Wanderlust is an innovative online marketplace designed to connect travelers seeking short-term accommodation with hosts who have spare rooms or properties available for rent. The platform provides a seamless and user-friendly interface where guests can explore a variety of lodging options tailored to their preferences, budget, and location. For hosts, Wanderlust offers an opportunity to generate income by listing unused spaces while ensuring transparency and security through verified profiles, reviews, and secure payment gateways. By fostering trust and convenience, Wanderlust bridges the gap between travelers and local hosts, creating a community-driven ecosystem that enhances cultural exchange and promotes cost-effective, flexible travel experiences.
Group No.	6
Title :	ANNABACHO : AN EXCESS FOOD WASTE MANAGEMENT SYSTEM
Guide Name :	Dr. Vikas Kaul
Group member :	CHOUDHARY HARISH MOHANRAM, CHOUDHARY ANURAG MUKESH, CHAURASIA SAHIL SHIVKUMAR, GAUTAM VEDANT VINEET

Abstract :	The AnnaBachao system addresses the global issue of food wastage, which accounts for nearly 30% of all food produced worldwide, according to the Food and Agriculture Organization (FAO). This alarming level of waste persists while millions continue to face hunger and food insecurity. The platform facilitates seamless connections between food donors, such as restaurants, hotels, and individuals, and charitable organizations that distribute food to those in need. The primary goal of AnnaBachao is to create an efficient, AI-driven, and user-friendly system that not only reduces food wastage but also contributes to fighting hunger by optimizing surplus food distribution. To enhance accessibility and usability, AnnaBachao is now being developed as a mobile application using React Native with integrated AI/ML features, ensuring a smooth, intelligent, and adaptive user experience across multiple platforms. The system is designed around three core modules: the User Module, which allows donors to list available food; the Admin Module, managed by NGOs to oversee donations and allocate food efficiently; and the Delivery Module, which helps delivery personnel transport food to beneficiaries, minimizing delays and spoilage. With AI/ML embedded in the mobile app, the system can predict donation patterns, recommend optimal collection times, optimize distribution routes, and enhance resource allocation directly within the app interface. Looking ahead, the platform also aims to incorporate Internet of Things (IoT) solutions, such as smart sensors to monitor food freshness and storage conditions, further reducing wastage. Future expansions include multi-city operations, integration with grocery stores and supermarkets, real- time data analytics, and chatbot capabilities powered by AI for quick user interaction. By leveraging React Native, integrated AI/ML, and future IoT solutions, AnnaBachao aims to revolutionize the fight against food waste and hunger, creating a sustainable, technology-driven solution for communities worldwide. Keywords: Food waste management, food donation, mobile application, surplus food, NGO, charity, food delivery, secure login, AI/ML integration, chatbot.
Group No.	7
Title :	SUPPLIFY : VENDOR,DELIVERY & PAYMNET MANAGEMENT
Guide Name :	Dr. Vikas Kaul
Group member :	SHINARE SHUBHAM SAMPAT, SAYED MOHDAYAAN MEHBOOB, PAWAR SACHIN DEEPAK, RAWAT SHIKHAR SINGH BHARAT SINGH
Abstract :	This project aims to develop an integrated business management system for small-scale vendors, combining mobile and web applications to streamline operations from raw material procurement to product delivery. The solution will be built using Flutter for the cross-platform mobile interface, Python for backend processing, and SQL for secure and efficient data storage. The system will allow vendors to log and monitor raw material intake from suppliers, track deliveries through a dedicated delivery personnel login, and update delivery status in real-time. Upon marking an order as delivered, an automatic notification will be sent to the respective customer. A web-based interface will provide vendors with monthly summaries, enabling them to track material usage, completed deliveries, and pending payments. The integrated payment gateway will allow customers to settle bills at the end of each billing cycle, either through online transactions or offline payments recorded via the app or web interface. This platform will enhance operational efficiency, improve communication between stakeholders, and provide a transparent, digital solution tailored for small business supply chains.
Group No.	8
Title :	FAKE NEWS DETECTION
Guide Name :	Dr. Vikas Kaul
Group member :	SHUKLA KRISHNA VINOD, YADAV EKTA MANGALA PRASAD, PRAJAPATI SHIVAJI
Abstract :	Fake News Detection is a simple and effective digital platform created to identify and control the spread of false information on online platforms. With the rise of social media and digital news channels, fake news has become a major concern as it misguides people and creates confusion. This project combines modern web development with Artificial Intelligence to detect fake news using Machine Learning and Natural Language Processing (NLP) techniques. The platform collects news data, processes it, and applies classification algorithms to check whether the news is real or fake. It also provides authenticity scores to help users verify the trust level of the information. The system supports multilingual analysis, making it easier for users to verify news in their preferred language. To enhance user experience, the platform includes a simple interface where users can paste news text or URL and instantly check its credibility. This project is designed to reduce misinformation, promote digital awareness, and help users rely on verified and trustworthy sources in an easy and practical way.
Group No.	9
Title :	UDYOGPATH - AI POWERED MOCK INTERVIEW PLATFORM
Guide Name :	Dr. Madhuri Gedam
Group member :	GAREJA DISHA MANSUKHA, MISHRA KALASH KAUSHLESH, GUPTA SHREYA KANHAIYALAL, GUPTA SALONI DEVNATH
Abstract :	This project develops an AI-powered mock interview platform that simulates real-life interview scenarios using advanced web technologies and voice-based AI. Built with Next.js for the frontend and backend, styled with Tailwind CSS, and supported by Firebase for authentication and data storage, the platform ensures a smooth and secure user experience. By integrating Vapi AI and Google Gemini, it enables dynamic, real-time voice interviews where users can practice job-specific questions and receive instant, AI-driven feedback. The system provides detailed performance scores across multiple skills, full transcripts of interview sessions, and a personalized dashboard for tracking progress. Overall, this project demonstrates how AI and modern full-stack development can create an immersive, effective, and user-friendly tool for interview preparation.

Group No.	10
Title :	AI SDR : AUTOMATED EMALLING AND CALLING AGENT
Guide Name :	Dr. Madhuri Gedam
Group member :	MISHRA YASH DEEPAK, MAURYA AMAN CHANDRAKANT, JAISWAL RAVI SANJAYKUMAR, DHAKAD RISHI RAMESH
Abstract :	Manual outreach processes often involve repetitive, time-consuming tasks such as drafting messages, organizing contact lists, and following up with recipients. These tasks not only reduce productivity but also limit the ability to scale engagement efforts. Research indicates that personalized outreach significantly improves response rates; however, achieving personalization at scale is challenging without the aid of automation. This project aims to overcome these challenges by designing and implementing an automated outreach system that integrates personalization features within a streamlined workflow. The proposed solution employs modern automation tools and technologies to schedule, personalize, and track outreach activities with minimal manual intervention. It draws upon existing literature to validate the effectiveness of automation in improving operational efficiency and the role of personalization in enhancing user engagement. The system architecture supports adaptability and scalability, making it suitable for various domains such as marketing, recruitment, customer relationship management, and public awareness campaigns.
Group No.	11
Title :	TRAVELMATE RENTAL SERVICES
Guide Name :	Dr. Madhuri Gedam
Group member :	YADAV JAIKISHAN SIKANDAR, YADAV KRISHNA MAHENDRA, YADAV RITESH SHIROMANI, PRAJAPATI KRISHNA RAMRAJ
Abstract :	TravelMate Rental Services is a cloud-based web application designed to provide a seamless and efficient rental experience for a wide range of vehicles, including cars, bikes, and bicycles, catering to individual customers, businesses, and rental agencies. This innovative system streamlines the entire rental process — from browsing available vehicles and booking rentals to managing payments, tracking locations, and scheduling maintenance — through a centralized, user-friendly web interface. The platform aims to simplify multi-vehicle rental operations by integrating real-time availability checks, secure user authentication, role-based dashboards, and online payment processing within a scalable and responsive environment. It addresses common challenges in the rental industry, such as double bookings, manual inventory tracking, and inefficient communication between customers and providers. Developed using Spring Boot, Java, and modern frontend technologies like React.js, TravelMate ensures robustness, security, and accessibility. Key features include location-based search, provider and driver management, a rating system, and advanced security measures like JWT authentication and encrypted transactions. This paper outlines the development methodology, core functionalities, cybersecurity considerations, and potential future enhancements, highlighting TravelMate's role in transforming traditional rental workflows into a modern, automated, and secure mobility service.
Group No.	12
Title :	AUTONALYST - LLM DRIVEN AUTOMATED RISK AND LOGIC ANALYSIS FOR STARTUP PROJECT
Guide Name :	Dr. Madhuri Gedam
Group member :	SHARMA RITESH NAVINKUMAR, TARATE SHIVENDRA PRAKASH, YADAV HARSH BAJARANGLAL, NISHAD KARAN JITENDRAKUMAR
Abstract :	Early-stage startups often prioritize rapid product demos to secure funding, which can sideline security reviews and architectural validation. AutoNALYT targets this gap by providing a one-click, guided assessment that surfaces critical issues before release. Methods: The system parses heterogeneous files, embeds and clusters content, and applies LLM-guided checks aligned to established threat-modeling practices (e.g., STRIDE categories) and risk scoring to rank findings with traceable evidence spans. This approach follows best-practice abstract guidance to state purpose and method succinctly. Results: In pilot runs on mixed project bundles, AutoNALYT flagged common LLM-era risks (prompt-injection paths, insecure defaults, data-handling gaps) and legacy issues (weak authentication, exposed services), then produced prioritized fixes mapped to sources for rapid triage. Including concrete outcomes is recommended for effective abstracts
Group No.	13
Title :	SMART ASSISTANT
Guide Name :	Mrs. Rupali Pashte
Group member :	TIWARI ANUJ RAJESH, UPADHYAY SHIVAM SUBASHCHANDRA, VARMA AKHILKUMAR KEDARNATH, VAISHYA SIDDHESH JAYPRAKASH

Abstract :	This project, AI Army, is an intelligent assistant designed to unify multiple everyday tools such as email, calendar, and task management into a single system. The core idea is to reduce the effort of switching between applications by providing one AI-powered hub. With natural language inputs, users can schedule meetings, send or reply to emails, create drafts, set reminders, and organize academic or professional tasks seamlessly. The system uses advanced AI models combined with memory to understand context and automate actions. For example, when a student or teacher requests a meeting, the AI automatically creates a calendar event, or when an email arrives, it can draft, reply, or categorize messages based on priority. This makes it especially useful in educational settings where teachers and students can manage assignments, deadlines, and communication more effectively. Beyond education, the AI Army also has strong applications in workplaces, where managing schedules, emails, and tasks is essential for productivity. By integrating multiple services into one platform, it improves efficiency, saves time, and provides personalized assistance. In the long term, this system can grow into a scalable AI workspace assistant capable of analyzing workflows and suggesting improvements, [illegible]
Group No.	14
Title :	WeDrive
Guide Name :	Mrs. Rupali Pashte
Group member :	BONGU SANTOSH ISHWARRAO, MARATHE DURVESH SATYAVAN , BEEWAL MEET
Abstract :	Managing and distributing learning materials in a classroom with many students often creates challenges for teachers, particularly when privacy and efficiency are critical. Traditional methods such as emailing files individually, sharing links, or collecting folder IDs from each student can be time-consuming, error-prone, and burdensome for both teachers and learners. This project addresses the problem by introducing a secure and streamlined file-distribution system that allows a teacher to upload resources directly into each student's personal cloud storage, without requiring any manual setup or link sharing on the students' side. The system ensures that every student's files are organized into a clear folder hierarchy based on type and category, making them easy to locate later. Students only need to authorize access once at the beginning, after which all uploads from the teacher are automatically placed into their designated folders. Importantly, the design prioritizes privacy and ownership: files remain in the student's personal space with no public sharing or external access required. The teacher continues to work from a simple, familiar interface selecting students, dragging and dropping files, and uploading in a single action. By eliminating repetitive steps and ensuring secure delivery, this approach creates a frictionless workflow for teachers while safeguarding students' control over their files. It scales well for large classes, reduces administrative effort, and enhances overall learning efficiency.
Group No.	15
Title :	TIRRENO
Guide Name :	Mrs. Rupali Pashte
Group member :	SONI RAHUL SURESH, TIWARI JAYANTKUMAR RISHISHANKAR, SINGH AVNIT JAI, YADAV PRATIK KEDARNATH
Abstract :	Tirreno is a lightweight, open-source user-analytics and security platform designed for real-time protection of web applications, SaaS platforms, e-commerce, IoT environments, intranets, and digital communities. It proactively monitors user behavior, enriching data with optional intelligence feeds like IP, email, domain, and phone reputation. A sophisticated rules engine calculates risk scores, alerting operators to potential threats such as account takeovers, fake registrations, bot abuse, merchant fraud, and insider threats.
Group No.	16
Title :	SMART PLACEMENT PORTAL FOR STUDENT WITH AI - DRIVEN INSIGHTS.
Guide Name :	Mrs. Rupali Pashte
Group member :	TIWARI ISHA RAJESH, PUROHIT NIKESH JITESH, SINGH AMIT DHARMENDRA, SINGH PRIYANSHU SATYENDRA

Abstract :	In today's rapidly evolving campus recruitment and student development landscape, traditional job and internship portals often lack personalized guidance, intelligent evaluations, and administrative control. To bridge this gap, we propose the Smart Placement Portal for Students with AI-Driven Insights a centralized, AI-powered web application tailored to meet the dynamic needs of students and placement administrators. The platform offers a dedicated student dashboard featuring curated listings of in-house and external job/internship opportunities, certifications, and skill-development courses. It also includes an AI-powered resume checker that utilizes Natural Language Processing (NLP) to analyze and suggest improvements in students' resumes, enhancing their employability. One of the standout features of this portal is the AI-proctored assessment system, which ensures the integrity of online tests through real-time webcam monitoring. If any malpractice is detected, the system can automatically terminate the exam, maintaining academic honesty. On the administrative side, placement officers gain access to a comprehensive dashboard that allows them to post opportunities, design AI-driven assessments, manage student applications, and schedule placement drives via an integrated calendar. Additionally, students receive personalized notifications based on their skill sets and interests, increasing their chances of finding the right opportunities. The platform also integrates IoT-based real-time attendance tracking, enabling automated logging of student presence. This data is seamlessly synced to the admin panel, providing faculty with instant access to daily attendance records and student status, thus promoting transparency and reducing manual effort. With its intelligent features, user-friendly interface, and focus on both automation and personalization, this project presents a scalable and futuristic solution for institutions looking to enhance their placement ecosystem. To further strengthen industry-academia connections, the portal introduces a dedicated Alumni & Community Section, where students can connect and interact with alumni for guidance, mentorship, and career advice. This section also features discussion forums for query resolution, knowledge sharing, and networking. Through the calendar, students can view upcoming alumni seminars, interactive sessions, and networking events, encouraging stronger professional relationships and peer learning.
Group No.	17
Title :	ONROAD BREAKDOWN AND FUEL ASSISTANCE
Guide Name :	Mrs. Reena Kothari
Group member :	MISHRA VISHAL MANOJ GUSAIN VANSH MANMOHAN MISHRA MEHRAJ MANOJ GUPTA YASH VISHNUPRASAD
Abstract :	The current approach to on-road fuel and breakdown assistance is largely manual and inefficient. In case of a vehicle breakdown or the need for refueling, drivers often depend on roadside signs, personal referrals, or phone calls to locate nearby fuel stations or mechanics. This process is hindered by limited network coverage, lack of real-time fuel availability and pricing information, and the absence of a reliable service quality record. As a result, assistance can be delayed, options may be limited, and decision-making is often based on incomplete or outdated information. To overcome these limitations, the proposed system introduces a comprehensive, technology-driven on-road assistance platform comprising four modules: Admin, Fuel Station, Mechanic, and Customer. The Admin module manages user registrations, verifies service providers, monitors service requests, and analyzes system performance. The Fuel Station module allows customers to locate nearby stations via GPS, check real-time fuel availability and prices, and request fuel delivery to their location. The Mechanic module connects customers to certified mechanics for on-site repairs, reducing downtime. The Customer module provides an intuitive interface for accessing services, tracking requests, and submitting feedback. The platform utilizes modern web and mobile technologies, GPS-based tracking, secure payment gateways to ensure scalability, security, and reliability. By consolidating fuel delivery and mechanical support into a single solution, it enhances response times, improves service quality, and transforms roadside assistance into an efficient, real-time, and user-focused service.
Group No.	18
Title :	PERSONALIZED VIRTUAL REALITY LEARNING FOR SPECIAL STUDENTS
Guide Name :	Mrs. Reena Kothari
Group member :	GAIKWAD ANKITA SUBHASH, MORE AYUSHREE MADHUKAR, SHIRGAONKAR HEETAKSHI DHANANJAY, SHUKLA SHREYA SANJAY
Abstract :	Children with Autism Spectrum Disorder (ASD) and Intellectual Disabilities (ID) often face significant challenges in developing essential cognitive, communication, social, and motor skills due to limitations in conventional teaching methods. Traditional learning approaches frequently lack the engagement, adaptability, and sensory stimulation needed to sustain attention and motivation in children with special needs, while caregivers and educators encounter difficulties in tailoring learning content to individual abilities and effectively tracking progress. To address these challenges, this project introduces VR-ISE (Virtual Reality-Based Interactive Skills Enhancer), an immersive and adaptive learning tool specifically designed for children with ASD and ID. The system leverages Virtual Reality (VR) environments to create safe, interactive, and engaging spaces for practicing real-life scenarios, with a focus on enhancing skills such as communication, problem-solving, daily living tasks, and emotional regulation. The platform integrates personalized learning modules tailored to each child's unique needs, along with gamified activities to boost motivation and engagement. It also offers performance tracking and analytics for caregivers and educators, enabling targeted interventions and adaptive lesson planning. Through multi-sensory stimulation, the VR environment promotes better retention and skill transfer to real-world situations while reducing anxiety in unfamiliar settings. By combining immersive VR technology, customizable skill-building exercises, and data-driven progress monitoring, VR-ISE delivers a holistic, engaging, and inclusive learning experience aimed at empowering children with ASD and ID to achieve greater independence, self-confidence, and active social participation.
Group No.	19
Title :	MEDIQ: SMART ORGAN DONATION PLATFORM
Guide Name :	Mrs. Reena Kothari
Group member :	Chaube Vinayak Sarvesh, Bhuvad Ayush Tukaram, Dwivedi Pratik Jayprakash, Kumbhar Atharva Kishor

Abstract :	The proposed project seeks to revolutionize the traditional hospital management framework by seamlessly integrating cutting-edge technologies such as Agentic AI, blockchain, and automation to significantly enhance patient care, improve operational efficiency, and foster trust within healthcare systems. The system leverages AI-powered agents to streamline appointment booking, enabling patients to easily schedule consultations with doctors, thereby reducing wait times and administrative overhead. This AI-driven process not only optimizes time management but also enhances the overall patient experience by providing a seamless, user-friendly interface. Central to the system is the use of blockchain, which ensures secure, immutable, and transparent storage of sensitive patient data, medical records, and health files. By decentralizing data management, patients gain full control over their health information, with the ability to grant or revoke access as needed, thus fostering data privacy and trust. Blockchain also eliminates the risks associated with unauthorized data access and breaches, providing enhanced security. Additionally, the platform integrates an organ donation feature, utilizing blockchain to ensure the traceability, transparency, and ethical management of donations. This system guarantees that every donation is securely tracked, reducing fraud and ensuring a safe, transparent donation process. By combining these cutting-edge technologies, the project seeks to streamline hospital operations, improve data security, and create a more efficient and patient-centered healthcare ecosystem. Ultimately, it strives to empower patients with greater control over their healthcare experience while building a decentralized, trustworthy environment that enhances both operational workflows and the overall quality of care.
Group No.	20
Title :	SKILL MATCH AI
Guide Name :	Mrs. Reena Kothari
Group member :	NARVEKAR HARSH VIJAY, NARKAR NIKHIL AVINASH, SAHU BALRAJ SATYENDRA, PATEL PIYUSH AJAY
Abstract :	The SkillMatch AI portal is an intelligent, AI-assisted career preparation and job recommendation platform developed using Spring Boot. It empowers candidates by transforming their resumes into actionable career insights. Users can upload their resumes in PDF or DOCX format, which the system parses using advanced text extraction and natural language processing techniques to identify skills, experience, and qualifications. Based on this data, the platform generates personalized interview questions, suggests trending group discussion topics, and highlights skill gaps with targeted learning resources. The portal features a role-based login system, allowing candidates to prepare for interviews and track job applications, recruiters to post opportunities and find matched candidates, and administrators to manage users and postings. A smart job and internship recommendation engine matches candidate profiles with opportunities based on skill compatibility, ensuring high relevance. The system also includes analytics dashboards to monitor trends, mock interview scheduling, and real-time notifications. By integrating resume parsing, AI-driven preparation tools, and intelligent job matching, SkillMatch AI aims to be a one-stop solution for students, freshers, and professionals to enhance their employability and accelerate their career growth.
Group No.	21
Title :	EAT FRESH
Guide Name :	Mrs. Sonali Padalkar
Group member :	GUPTA NITISH RAMAKANT, JHA SATYAM FUSHAN, AZIZI ABDULAZIZ ABDULQUAVI, DHENAKI SUJAL SANJAY
Abstract :	The project “Eat Fresh” is a food delivery platform designed to provide customers with a wide variety of fresh and delicious meals from different cultures at affordable prices. Unlike existing platforms such as Swiggy and Zomato, “Eat Fresh” emphasizes delivering high-quality, freshly prepared food while keeping costs low to make diverse cuisines accessible to everyone. The platform connects customers with local restaurants and home chefs specializing in authentic cultural dishes, promoting culinary diversity and supporting small businesses. By leveraging technology, “Eat Fresh” offers an easy-to-use interface for browsing menus, placing orders, and tracking deliveries in real-time. The system ensures timely delivery, customer satisfaction, and maintains strict quality control for food safety. Additionally, “Eat Fresh” aims to promote healthier eating habits by prioritizing fresh ingredients and reducing reliance on processed foods. The platform also incorporates customer feedback and preferences to personalize recommendations and improve service quality. Through competitive pricing, diverse food options, and a focus on freshness, “Eat Fresh” strives to create a unique and enjoyable food delivery experience that caters to varied tastes and budgets. Ultimately, this project aims to make quality food delivery affordable, accessible, and culturally enriching for a broad audience.
Group No.	22
Title :	RAGIFY
Guide Name :	Mrs. Sonali Padalkar
Group member :	JADHAV HARSH DYANESHWAR, JOSHI NIKHIL HANUMAN, JAGDHANE ROHAN SANJAY, DUBEY AYUSH ABHIJEET
Abstract :	This project focuses on developing an AI-powered system to automatically extract and retrieve information from PDF documents. The system combines PyPDF2 for text extraction, FAISS for fast vector-based indexing, and advanced embedding models from OpenAI and HuggingFace to achieve semantic understanding of document content. Instead of relying on traditional keyword searches, the system uses high-dimensional vector representations and cosine similarity to retrieve information based on meaning and context. The extracted text is split into smaller chunks, embedded, and indexed, enabling quick and accurate matching of user queries with relevant sections. Testing shows that this approach improves both accuracy and efficiency in finding information within large and complex documents. The system can be applied in areas such as legal research, academic archives, and enterprise knowledge management. Future enhancements will include multimedia content handling and deeper semantic reasoning for improved results.
Group No.	23
Title :	SMARTFARM - EMPOWERING FARMERS THROUGH TECHNOLOGY
Guide Name :	Mrs. Sonali Padalkar

Group member :	PANDIT LILAVATI JHAPSI, PATEL JAINISHA JITENDRA, SINGH ANCHAL RAJESH, YADAV KHUSHI KAPISHCHANDRA
Abstract :	SmartFarm is a simple and useful digital platform created to help Indian farmers deal with real-life farming problems. It combines modern web development with Artificial Intelligence to give smart solutions like crop recommendation using machine learning, soil health analysis, and weather-based crop prediction. The platform also provides useful information about government schemes, common pests, a crop shelter section for protecting crops from harsh weather, and an online marketplace for buying and selling farm produce. To make it easier for all farmers to use, the platform also includes a multilingual feature, allowing users to access information in their local language. This project is designed to improve productivity, reduce farming risks, and help farmers use digital tools in an easy and practical way. Keywords: Farming, Machine Learning, Weather, Soil, Pest Control, Crop Shelter, Digital Agriculture, Multilingual Support, Web App
Group No.	24
Title :	INTERNCONNECT
Guide Name :	Mrs. Sonali Padalkar
Group member :	YADAV ARYAN NAGENDRA, YADAV VANDANA SHANKAR, UPADHYAY AAKANKSHA NAGENDRAKUMAR, SINGH SONAL NIRAJ
Abstract :	This project presents a MERN-stack-based job portal where entrepreneurs can post full-time jobs or part-time projects, and students can apply for jobs or internships based on their skills and interests. To enhance efficiency, Machine Learning (ML) algorithms are integrated into the platform to improve job matching and security. The system employs Natural Language Processing (NLP) and Cosine Similarity for resume-job description matching, ensuring students receive the most relevant opportunities. A hybrid recommendation system combining Content-Based Filtering and Collaborative Filtering personalizes job suggestions. Additionally, to maintain platform integrity, an Anomaly Detection Model (Isolation Forest, Random Forest, and XGBoost) identifies fraudulent job postings and fake resumes, preventing scams.
Group No.	25
Title :	AIPOWERED STUDENT ASSISTANCE CHATBOT
Guide Name :	Dr. Abha Patil
Group member :	GUPTA SHIVAM PARSHURAM, JHA MUKUND SUMAN JHA, GUPTA INDRESH KUMAR VIDHYASAGAR, CHAUHAN DHARMBEER RADHESHYAM
Abstract :	An AI-powered student assistance chatbot for the Department of Technical Education, Government of Rajasthan is designed to efficiently address the surge in student, parent, and stakeholder queries during admission and beyond by providing instant, accurate information regarding colleges, courses, admissions, fees, scholarships, curriculum, placements, and facilities. Leveraging Natural Language Processing (NLP), this chatbot enables seamless voice-based interactions in English—and potentially Hindi or other regional languages—for broad accessibility and ease of use. The system automates responses to frequently asked questions, drastically reducing staff workload and enabling personnel to focus on complex concerns. Additionally, the chatbot collects interaction data to provide actionable insights for service improvement and better understanding of user needs, thereby enhancing operational efficiency and user satisfaction for Rajasthan's technical education ecosystem
Group No.	26
Title :	INDIAN VERSION OF NAGISH APP
Guide Name :	Dr. Abha Patil
Group member :	PARIHAR YASH ABHAYSINGH, SINGH ADITYA RAKESH, SINGH ANSH BIRENDRA, SUTHAR PIYUSH BHANWARLAL
Abstract :	This project focuses on developing an Indian version of the Nagish mobile application, designed to make voice communication accessible for the Deaf and Hard of Hearing (DHH) community. The system integrates real-time speech-to-text conversion, supporting multiple Indian languages and regional accents to ensure inclusivity across diverse user groups. Unlike traditional accessibility tools that are limited to English or require costly infrastructure, this app leverages AI-based speech recognition, noise filtering, and multilingual natural language processing to provide accurate, context-aware transcription during phone calls. The system is optimized for low-bandwidth rural environments, ensuring usability even in regions with poor internet connectivity. Testing shows that this approach improves both accuracy and accessibility in everyday communication, empowering DHH users to independently manage calls related to healthcare, education, banking, and emergencies. Future enhancements will include sign language integration, offline support, and AI-driven personalization for improved user experience.
Group No.	27
Title :	QUESTION PAPER LEAKAGE PREVENTION USING BLOCKCHAIN
Guide Name :	Dr. Abha Patil
Group member :	MOURYA JATIN JAYPRAKASH SHANTI, ANSARI MAAZ ARIF SHABNAM, SHAIKH HAMZA SHADAB NASEEM, CHAURASIA AMAN BANSHRAJ SUDEVI
Abstract :	Securing question papers for board examinations is a critical challenge due to risks such as
Group No.	28
Title :	OPERON : AN OPERATIONAL BACKBONE FOR INDUSTRIES TO MANAGE SUPPLY
Guide Name :	Mrs. Natasha Naik
Group member :	KITAWAT PUSHKARSINGH SOHANSINGH, LAD DHRUV MANGESH, MISHRA
Abstract :	The proposed solution is a web-based application designed to provide services across multiple industries, particularly focusing on supply chain management. The platform allows users to configure, manage, and deploy applications tailored to their specific industry needs. By offering modular, scalable, and managed applications, the system ensures flexibility and adaptability for diverse operational requirements. Applications are deployed in a subscription-based model, with charges calculated monthly per end user. This approach ensures cost-effectiveness, scalability, and streamlined digital operations for businesses of varying sizes.

Group No.	29
Title :	WATTSUP : REAL TIME HOME ENERGY MONITORING SYSTEM USING IOT
Guide Name :	Mrs. Natasha Naik
Group member :	CHAURASIYA AMIT, RATHOD KINJAL DEEPAK HANSA, RANE MRUDULA MAHENDRA MAITHILI, MISHRA RAJNISH SATYAPRAKASH SADHANA
Abstract :	Many households face higher utility bills and energy wastage due to a lack of awareness of real-time electricity consumption. WattsUp is an IoT-based smart home energy monitoring system that empowers users to track their energy usage in real-time. The system integrates AI-powered analytics to predict consumption patterns and automatically switch to solar energy when electricity usage increases, optimizing cost savings and sustainability. By leveraging smart meters, IoT sensors, and cloud computing, WattsUp promotes energy efficiency, reduces electricity bills, and enhances user awareness. This scalable solution aligns with national goals like Digital India and Smart Cities, offering a smarter, more sustainable way to manage household energy.
Group No.	30
Title :	GLOBAL STUDENT COLLABORATION HUB
Guide Name :	Mrs. Amruta Sankhe
Group member :	JAISWAL PRANJAL SHYAM DEEPMALA, SINGH MOHIT RAJESH BEEN, RASHINKAR DHRUVIN MILIND MANISHA, TIWARI KRISHNA RAMBHAWAN
Abstract :	The Global Student Collaboration Hub is an innovative initiative designed to bring together students from around the world to collaboratively gain knowledge, share expertise, and co-create impactful projects. By integrating widely-used platforms such as LinkedIn for professional networking, GitHub for collaborative coding and version control, and Zoom for real-time communication, the Hub offers a dynamic ecosystem for academic and project-based collaboration. This initiative aims to bridge geographical and academic gaps, enabling students to work across borders on interdisciplinary projects, enhance their technical and soft skills, and build a global professional network. The platform fosters a culture of peer-to-peer learning, innovation, and community-driven growth, preparing students for the demands of a globally connected workforce. Beyond technical proficiency, the Global Student Collaboration Hub emphasizes the development of soft skills such as leadership, communication, teamwork, and intercultural competence. Students also benefit from exposure to diverse perspectives, fostering global citizenship and an inclusive mindset. The initiative further encourages the creation of digital portfolios, allowing students to showcase their collaborative work and personal growth on platforms like LinkedIn and GitHub, making them more visible and attractive to future employers and academic institutions. Additionally, the collaborative nature of the Hub cultivates a culture of innovation, where students are encouraged to think critically, take initiative, and solve complex problems in a supportive, peer-driven environment.
Group No.	31
Title :	AUTOGRAPH AI : CHAT WITH YOUR DATASET
Guide Name :	Mrs. Amruta Sankhe
Group member :	KATARIYA HARSH ARNJUN LATA, KADAM OMKAR ANKUSH, MITHBAVKAR SANKET SHRIDHAR, ARUNTHUTHIYAR YOGESH THANGAVELU
Abstract :	Autograph AI is a lightweight, AI-powered assistant that lets anyone “talk to their data.” Users upload a CSV and instantly receive an automatic overview shape, column names, missing values, and a sample preview so they can understand the dataset at a glance. Through a modern chat-style interface, users type natural language requests such as “plot sales vs year”, “show the median of all numeric columns”, or “filter rows where revenue > 100”, and the system responds with the correct output: charts, summary statistics, or filtered tables. It allows users to type natural language commands such as "Show a bar chart of sales by year" or "Find the median salary", and the system instantly converts them into valid Python code using PandasAI and a local Ollama LLM. The generated code is then executed to fetch insights whether in the form of graphs, tables, or statistics without the user needing any programming knowledge. This module bridges the gap between human language and data analysis code, making complex analytics accessible to non-technical users. Under the hood, Autograph AI uses Pandas for data handling and a local LLM via Ollama with PandasAI to translate user intent into safe, executable Python. The app returns both the results and the generated code for transparency and learning, supporting reproducibility and easy iteration. Designed for students, analysts, and teams, Autograph AI runs on open-source tooling and works efficiently on local machines, making data exploration faster, privacy-friendly, and independent of paid cloud APIs.