International Research Journal of Education and Technology
Peer Reviewed Journal
ISSN 2581-7795

EMPLOYEE RECRUITMENT PLATFORM

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Abstract — In today's dynamic job market, characterized by remote work and global connectivity, organizations face unprecedented challenges in sourcing and selecting top talent. To address this, our project introduces an innovative Employee Recruitment Software designed to streamline the hiring process for both multinational corporations (MNCs) and startup companies. This software offers a comprehensive solution, integrating advanced features such as proctoring for maintaining assessment integrity and seamless interfacing with Zoom and Google Meet for conducting technical interviews. Built on the robust MERN (MongoDB, Express.js, React.js, Node.js) stack, the software ensures scalability, security, and user- friendliness, catering to the diverse needs of modern recruitment practices. By incorporating proctoring technology, organizations can ensure the authenticity and reliability of candidate assessments, bolstering the credibility of their recruitment process. Moreover, the seamless integration with popular video conferencing platforms like Zoom and Google Meet introduces a novel approach to conducting remote technical interviews, enhancing the efficiency and effectiveness of talent acquisition efforts.

Keywords:Employee Recruitment, Software, Online Hiring, MNC, Startup, Proctoring, Zoom, Google Meet, MERN Stack, Scalability, Security, Remote Interviews.

1 Introduction

In today's digital age, recruitment has evolved beyond traditional methods, with organizations leveraging technology to streamline and optimize their hiring processes. The shift towards remote work and the globalization of talent pools have necessitated innovative solutions to overcome geographical barriers and ensure access to top talent worldwide.

Organizations are increasingly tapping into global talent pools to access specialized skills and diverse perspectives. Digital recruitment platforms enable them to reach candidates across geographical boundaries, facilitating a more inclusive and diverse workforce.

The proliferation of remote work has transformed the recruitment landscape, with organizations adapting to virtual hiring processes. Online assessments, video interviews, and remote collaboration tools have become integral to attracting and evaluating candidates regardless of their location. With the volume of job applications increasing exponentially, recruiters are seeking automation solutions to streamline repetitive tasks and focus on strategic hiring decisions. AI- powered tools for resume screening, candidate matching, and interview scheduling are gaining traction to enhance efficiency and reduce time-to-hire.

In a competitive job market, providing a positive candidate experience is essential for attracting and retaining top talent. Recruitment software that offers intuitive interfaces, transparent communication channels, and personalized interactions enhances candidate engagement and reflects positively on the employer brand. Emphasis on Data-Driven Recruitment: Data analytics and machine learning algorithms are revolutionizing recruitment by providing actionable insights into hiring trends, candidate behavior, and performance metrics. Recruiters can leverage data-driven strategies to optimize recruitment processes, improve decision- making, and align hiring goals with organizational objectives.

1.1 SCOPE OF THE PAPER

Develop a customizable dashboard for recruiters to track candidate progress, view assessment results, and manage hiring pipelines effectively. Implement AI-driven features for candidate screening, including resume parsing, skill matching, and predictive analytics, to streamline the initial selection process. Integrate with third-party HR software and job boards for seamless data synchronization and job posting distribution, enhancing recruitment reach and efficiency. Integrate candidate feedback mechanisms and engagement tools within the platform to gather insights into the candidate experience, measure satisfaction levels, and improve recruitment processes iteratively.

1.2 KEY FEATURES OF THE PAPER

Automated Candidate Ranking: Implement AI-driven algorithms to analyze candidate data and automatically rank applicants based on predefined criteria, such as skills, experience, and cultural fit, streamlining the shortlisting process and reducing manual effort. Video Interview Analysis: Utilize natural language processing (NLP) and sentiment analysis techniques to analyze video interview recordings, providing insights into candidate communication skills, body language, and overall suitability for the role.

Integration with Learning Management Systems (LMS): Integrate with LMS platforms to provide candidates with personalized learning resources and skill development opportunities tailored to their career aspirations and assessment results, enhancing candidate engagement and readiness for future roles. Virtual Career Fairs and Events: Host virtual career fairs and recruitment events within the platform, allowing organizations to showcase their employer brand, interact with candidates in real-time, and facilitate networking opportunities, fostering a strong talent pipeline. Predictive Analytics for Future Hiring Needs: Leverage historical recruitment data and predictive analytics models to forecast future hiring needs, anticipate skill gaps, and proactively develop talent acquisition strategies to address evolving business requirements. GDPR and Data Privacy

Compliance: Ensure compliance with data protection regulations such as GDPR (General Data Protection Regulation) by implementing robust data privacy measures, obtaining candidate consent for data processing, and providing transparency regarding the use of personal data throughout the recruitment process

1.3 PROS AND CONS OF THE PAPER

Pros~Advanced analytics and reporting tools enable recruiters to analyze recruitment metrics, identify hiring trends, and optimize recruitment strategies for better outcomes. The software is designed to scale with the growing needs of the organization, supporting large-scale recruitment campaigns and adapting to changing business requirements. By embracing innovative technologies such as proctoring and video conferencing integration, organizations can differentiate themselves in the market, attracting top talent and staying ahead of competitors.

Cons~Integrating multiple technologies and platforms may introduce technical challenges, such as compatibility issues, security vulnerabilities, and system performance optimization requirements. Employees and candidates may require training and support to familiarize themselves with the new software features and workflows, potentially leading to resistance to change and slower adoption rates. The collection and processing of candidate data, particularly sensitive information related to assessments and interviews, may raise privacy concerns and regulatory compliance requirements, requiring careful data handling and protection measures.

2 OBJECTIVE AND METHOLOGY

In response to the dynamic landscape of talent acquisition, characterized by the emergence of remote work trends and the need for diverse skill sets, the development of an Employee Recruitment Software signifies a strategic investment in modernizing HR practices. By leveraging cutting-edge technologies such as artificial intelligence (AI) and machine learning (ML), this software aims to streamline the hiring process, reduce time-to-hire, and identify top talent efficiently across geographically dispersed regions. Furthermore, the Employee Recruitment Software is designed to cater to the unique needs of both established MNCs and agile startup companies, offering customizable features and scalability to accommodate varying recruitment volumes and workflows. With a focus on user- centric design and intuitive interfaces, the software prioritizes candidate experience, fostering positive interactions and brand perception throughout the recruitment journey. Moreover, the methodology for developing the Employee Recruitment Software integrates best practices from agile software development, ensuring iterative refinement and continuous feedback loops from stakeholders. Rigorous testing methodologies, including unit testing, integration testing, and user acceptance testing, are employed to validate software functionality, security, and performance across diverse environments and usage scenarios. Additionally, the software architecture incorporates robust security measures to safeguard sensitive candidate data and ensure compliance with data privacy regulations such as Encryption protocols, access controls, and regular security audits are implemented to mitigate risks and build trust among both candidates and hiring organizations. Lastly, ongoing post-deployment support and maintenance are integral components of the software development lifecycle, ensuring seamless operation, scalability, and adaptation to evolving recruitment trends and business requirements. Through proactive monitoring, feature enhancements, and user training programs, the Employee Recruitment Software remains a strategic asset in driving organizational growth and talent acquisition excellence.

2.1 OBJECTIVE

The objectives for the proposed development of the Employee Recruitment Software with integrated proctoring and video conferencing capabilities encompass several critical aspects aimed at optimizing various facets of the hiring process for both MNCs and startups: Innovative Recruitment Solutions: The Employee Recruitment Software aims to introduce innovative solutions to address the evolving needs of the recruitment landscape. By leveraging advanced technologies such as AI-powered resume screening, sentiment analysis in interviews, and predictive analytics for candidate sourcing, the software enhances the efficiency and effectiveness of talent acquisition processes. Diverse Talent Acquisition Strategies: The project seeks to develop a versatile platform capable of supporting diverse talent acquisition strategies tailored to the unique requirements of MNCs and startup companies. From campus recruitment drives and employee referrals to online job portals and social media recruitment campaigns, the software provides flexibility and scalability to accommodate various sourcing channels and hiring practices. Enhanced Candidate Experience: One of the primary objectives of the Employee Recruitment Software is to prioritize the candidate experience throughout the recruitment journey. By offering intuitive application interfaces, personalized communication channels, and transparent feedback mechanisms, the software aims to create a positive impression of the hiring organization and attract top talent. Data-Driven Decision-Making: The project emphasizes the importance of data-driven decision- making in talent acquisition strategies. By capturing and analyzing recruitment metrics such as time-to-fill, cost- per-hire, and candidate satisfaction scores, the software enables HR professionals to identify areas for improvement, optimize recruitment processes, and align hiring efforts with organizational goals. Scalability and Adaptability: As organizations expand their operations and hiring initiatives, the Employee Recruitment Software provides scalability and

adaptability to accommodate growing recruitment volumes and evolving business requirements. Modular architecture, cloud-based infrastructure, and API integrations with external systems ensure seamless integration with existing HR ecosystems and future-proof scalability. Compliance and Regulatory Alignment: Ensuring compliance with local labor laws, industry regulations, and data privacy standards is a core objective of the project. The software incorporates features such as GDPR-compliant data handling, candidate consent management, and audit trails to mitigate legal risks and uphold ethical recruitment practices.Continuous Improvement and Feedback Mechanisms: The Employee Recruitment Software is designed to facilitate continuous improvement through feedback mechanisms and iterative refinement cycles. User feedback loops, performance analytics, and stakeholder consultations drive feature enhancements, usability improvements, and overall user satisfaction, ensuring the software remains aligned with evolving industry trends and user expectations. Integration with Proctoring and Virtual Interview Platforms: In addition to traditional recruitment functionalities, the project aims to integrate proctoring solutions and virtual interview platforms to streamline the screening and assessment processes. Features such as remote proctoring for online assessments, AI-driven candidate behavior analysis, and seamless integration with video conferencing tools enhance the objectivity and reliability of candidate evaluations. Empowering HR Professionals with Insights: Another key objective is to empower HR professionals with actionable insights and strategic recommendations derived from recruitment data analysis. By providing dashboards, reports, and predictive analytics tools, the software equips HR teams with the knowledge and insights needed to make informed decisions, optimize resource allocation, and drive recruitment excellence. Alignment with Organizational Goals: Ultimately, the Employee Recruitment Software aims to align talent acquisition efforts with broader organizational goals and objectives. By facilitating the recruitment of high-quality talent, improving time-to-hire metrics, and minimizing recruitment costs, the software contributes to the achievement of strategic objectives such as workforce diversity, innovation, and competitive advantage in the market place. Requirement Analysis: Conduct a comprehensive analysis of the requirements and specifications for the Employee Recruitment Software. Engage stakeholders from MNCs and startup companies to gather insights into their recruitment processes, pain points, and desired features. Utilize techniques such as interviews, surveys, and focus groups to gather qualitative and quantitative data on user requirements. Technology Selection: Evaluate various technologies and frameworks suitable for developing the Employee Recruitment Software, considering factors such as scalability, security, and interoperability. Choose appropriate frontend technologies like React.js and backend technologies like Node.js based on their compatibility with the project requirements and industry standards. Assess the suitability of additional tools and libraries for specific functionalities, such as Figma for UX design, Postman for API testing, and Selenium for automated testing. Agile Development Methodology: Adopt an Agile development approach to facilitate iterative and incremental development cycles. Break down the project into smaller, manageable tasks or user stories, prioritizing features based on their importance and impact. Conduct regular sprint planning, review, and retrospective meetings to track progress, gather feedback, and adapt to changing requirements. Prototyping and Wireframing: Use prototyping tools like Figma to create wireframes and mockups of the user interface, allowing stakeholders to visualize the software's layout and functionality. Iterate on the prototypes based on feedback from stakeholders, refining the design to enhance usability and user experience. Database Design and Architecture: Design a robust and scalable database schema using MySQL, considering factors such as data normalization, indexing, and query optimization. Define relationships between entities such as users, candidates, job postings, and interview feedback to ensure data integrity and consistency. Incorporate features for data encryption, access control, and audit logging to enhance security and compliance with data privacy regulations. Development and Implementation: Divide the development process into frontend and backend development tasks, assigning responsibilities to individual team members based on their expertise. Follow best practices for coding standards, version control, and documentation using tools like Visual Studio Code and GitHub. Implement core features such as user authentication, job posting management, candidate profile creation, and interview scheduling, ensuring seamless integration between frontend and backend components. Integration with Third-Party Services: Integrate the Employee Recruitment Software with third- party services and platforms commonly used in recruitment processes, such as Zoom or Google Meet for video interviews, and Proctoring services for assessment invigilation. Implement API endpoints and webhooks to facilitate communication and data exchange between the software and external systems, ensuring interoperability and data consistency. Testing and Quality Assurance: Develop a comprehensive testing strategy encompassing unit testing, integration testing, end-to-end testing, and user acceptance testing. Utilize tools like Postman for API testing, Selenium for automated browser testing, and Jest or Mocha for JavaScript unit testing. Conduct rigorous testing to identify and address bugs, performance issues, and security vulnerabilities, ensuring the reliability and robustness of the software. Development and Deployment: Plan the deployment strategy for the Employee Recruitment Software, considering factors such as deployment environment, scalability requirements, and downtime tolerance. Utilize containerization technologies like Docker for packaging the application and Kubernetes for orchestration, ensuring consistency and portability across different environments. Implement continuous integration and continuous deployment (CI/CD) pipelines using tools like Jenkins or GitLab CI to automate the build, test, and

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ISSN 2581-7795

deployment process, facilitating rapid iteration and deployment of new features. Training and User Onboarding: Develop training materials and documentation to facilitate user onboarding and adoption of the Employee Recruitment Software. Conduct training sessions and workshops for HR professionals and other end-users to familiarize them with the software's features, functionalities, and best practices. Provide ongoing support and assistance to users, addressing any questions, issues, or feedback to ensure a smooth transition to the new recruitment system. By following this detailed methodology, the development team can systematically plan, execute, and deliver the Employee Recruitment Software, meeting the requirements and expectations of MNCs and startup companies while ensuring scalability, reliability, and usability.

3. SYNTHETIC PROCEDURE/FLOW DIAGRAM

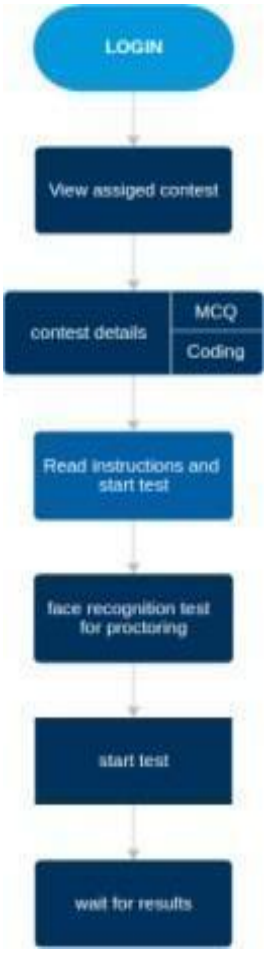

Figure 1.1:User Flow

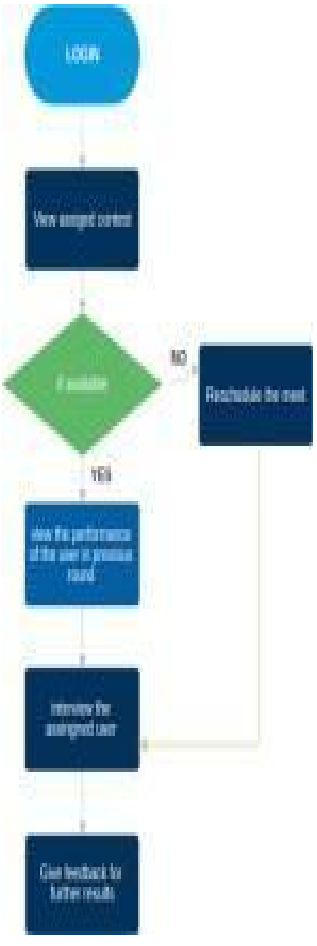

Figure 1.2:Hr Flow

3.1 USER FLOW

The user must first log in to the system. This is the starting point of the user flow. View assigned contest: After logging in, the user can view the contests that have been assigned to them. The contest may consist of MCQs (Multiple Choice Questions) or coding tasks, or both. The user will need to select an option to proceed. Contest details: Before starting the test, the user can view the details of the contest, such as the rules, duration, and questions. Once the user is ready to start, they should read the instructions carefully. Face recognition test for proctoring: To ensure fairness, the system may require a face recognition test for proctoring. The user will need to pass this test to proceed. Start test: After passing the proctoring test, the user can finally start the test. They should manage their time wisely to complete all the tasks. After submitting the test, the user will need to wait for the results. They can log out or continue using the system .LOGIN: The employee must first log in to the system.

3.2 EMPLOYEE FLOW

View assigned contest: After logging in, the employee can view the list of contests that have been assigned to them. NO: If there are no assigned contests, the employee can view the performance of the user in the previous round. YES: If there are assigned contests, the employee can proceed to the next step. View the performance of the user in the previous round: The employee can view the user's performance in the previous round, such as their score and ranking. Interview the assigned user: The employee can interview the user to gather more information, provide feedback, and discuss the user's performance. Give feedback for further results: After the interview, the employee can provide feedback to the user to help them improve their performance in future rounds. Reschedule the meet: If necessary, the employee can reschedule the meeting with the user to discuss their performance or provide additional feedback.

3.2 ADMIN FLOW

The admin must first log in to the system. This is the starting point of the admin flow. The admin can add a new employee to the system by providing

their details. The admin can create a new contest by providing the necessary details, such as the name, duration, and type of contest. The admin can filter the contestants based on the round. This allows the admin to manage the contestants more efficiently. The admin can assign a Human Resources (HR) representative to a particular user. This allows the HR representative to provide feedback and support to the user. The admin can add questions to the contest. For MCQ and coding tasks, the admin can add specific questions related to the contest. If the admin wants to add a new employee: The admin can create a new round and filter the contestants based on the new round. The admin can then assign an HR representative to the new contestants and add questions to the contest.

4.PROPOSED WORK MODULES

This project aims to enhance the functionality of an Employee Recruitment Software by integrating load cell technology through the MERN (MongoDB, Express.js, React.js, Node.js) stack. The integration of load cells allows for real-time monitoring of candidate data, facilitating efficient recruitment processes and talent acquisition. The recruitment software provides administrators with a comprehensive interface to manage various aspects of the hiring process, including candidate profiles, job postings, and interview scheduling. By incorporating load cell technology, administrators can accurately track candidate progress, automate application updates, and receive alerts for critical recruitment milestones or discrepancies

4.1MODULES OF PROPOSED WORK

User Authentication and Authorization Module:•Implement user authentication (signup, login, logout) using JWT or OAuth for secure access to the platform. Role-based access control (admin, recruiter, interviewer) to manage permissions and restrict access to sensitive data. Dashboard Overview Module: Display key metrics and insights such as recruitment progress, candidate engagement, and application status using charts and graphs. • Provide summary reports for quick analysis and decision-making.Candidate Management Module: Perform CRUD operations for candidate profiles (add, edit, delete). Upload resumes, cover letters, and other relevant documents. Categorize candidates based on skills, experience, and qualifications for efficient sorting. Create and manage job postings, including job titles, descriptions, and requirements. Track the status of job postings and monitor application activity. Schedule interviews with candidates and manage interview slots. Send automated reminders to candidates and interviewers. Sync with calendar applications for seamless scheduling. Assessment and Evaluation Module:Conduct online assessments and evaluations for candidates.Grade assessments and provide feedback to candidates. Track assessment scores and performance metrics. Communication and Feedback Module: Facilitate communication between recruiters, interviewers, and candidates. Collect feedback from interviewers and hiring managers. Maintain a log of communication history for reference. Analytics and Reporting Module: Generate detailed reports on recruitment metrics, including time-to- hire, cost-per-hire, and candidate quality. Analyze trends and patterns in recruitment data to optimize hiring strategies. Visualize data using interactive dashboards for easy interpretation. Load Cell Integration Module: Integrate load cell sensors to monitor inventory weight and trigger alerts for replenishment. Implement real-time data capture and processing for accurate inventory management. Calibrate load cell readings to ensure precision and reliability. Settings and Configuration Module: Customize platform settings such as user preferences, notification settings, and branding. Configure system parameters, including email templates, interview workflows, and assessment criteria.

4.1 SIGNIFICANCE, STRENGTHS AND LIMITATIONS OF THE PROPOSED WORK

Enhanced Candidate Experience: Real-time updates on application status and interview scheduling contribute to a positive candidate experience, fostering goodwill and potentially attracting top talent to the organization. Strategic Insights: Access to data analytics and reporting features allows recruiters to gain strategic insights into recruitment trends, candidate demographics, and hiring success rates, enabling them to refine their recruitment strategies for greater effectiveness. Compliance and Audit Trail: The ability to track and document recruitment activities in real-time helps ensure compliance with legal and regulatory requirements, as well as providing an audit trail for accountability and transparency purposes. Competitive Edge: By leveraging advanced recruitment software with load cell integration, organizations can differentiate themselves in the competitive talent market, positioning themselves as innovative and forward- thinking employers of choice.

Integration with Third-party Tools: The MERN stack's flexibility allows for seamless integration with third-party tools and services commonly used in recruitment, such as applicant tracking systems, background check providers, and assessment platforms, enhancing the overall functionality and usability of the recruitment software. Continuous Improvement: The iterative development approach facilitated by the MERN stack enables continuous improvement and enhancement of the recruitment software based on user feedback, market trends, and technological advancements, ensuring that it remains up-to-date and competitive in the long term. Data-driven

Insights: The centralized database provided by MongoDB enables recruiters to gather and analyze comprehensive data on candidate interactions, recruitment pipeline status, and hiring outcomes, empowering them to make data-driven decisions and optimize recruitment processes for better results. Collaborative Workflows: The collaborative features of the MERN stack, such as real-time data synchronization and multi-user support, facilitate seamless collaboration between recruiters, hiring managers, and other stakeholders involved in the recruitment process, improving communication and teamwork. Scalability and Performance: The scalable architecture of the MERN stack, coupled with efficient data handling and processing capabilities, ensures optimal performance even under high loads, allowing the recruitment software to scale with the organization's growth and accommodate increasing recruitment demands.

5. CONCLUSION

In conclusion, the development of the Employee Recruitment Software tailored for online hiring in both MNCs and startup companies has reached its culmination. Our primary goal was to deliver a comprehensive solution that facilitates efficient recruitment processes while integrating innovative features like proctoring for assessments and seamless integration with Zoom and Google Meet for technical rounds, marking a significant leap forward in modern recruitment practices. Leveraging the MERN stack, we built a robust system encompassing both frontend and backend components. React.js empowered us to create dynamic and intuitive user interfaces, enabling seamless navigation and interaction throughout the recruitment process. Express.js, coupled with Node.js, streamlined server-side development, ensuring efficient data processing and management. The integration of proctoring functionality adds a layer of security and integrity to the recruitment process, ensuring fair assessments and mitigating risks associated with online evaluations. Additionally, interfacing with Zoom and Google Meet for technical rounds provides a novel and seamless experience for both recruiters and candidates, enhancing collaboration and efficiency. Throughout the development lifecycle, we prioritized user experience and interface design, ensuring a user-friendly platform that caters to the needs of both recruiters and candidates. Furthermore, stringent security measures were implemented to safeguard sensitive candidate data and ensure compliance with privacy regulations. Looking ahead, there is ample scope for further enhancements and customization of the software. Future iterations could include advanced analytics for candidate assessment, integration with AI-powered tools for resume screening, and scalability to accommodate the evolving needs of recruitment processes in dynamic environments. Overall, the Employee Recruitment Software represents a significant milestone in modernizing recruitment practices, offering a powerful toolset for streamlining hiring processes and driving organizational growth.

6. FUTURE WORK

Develop advanced analytics modules for candidate assessment, leveraging AI and machine learning algorithms to analyze candidate data and provide insights for informed hiring decisions. Integrate AI- powered tools for resume screening, enabling recruiters to efficiently filter and shortlist candidates based on predefined criteria. Enhance scalability to accommodate the growing demands of recruitment processes in both MNCs and startup companies, ensuring optimal performance and user experience under varying workloads. Explore additional integrations with leading collaboration platforms and tools to further streamline recruitment workflows and enhance communication between recruiters and candidates.

REFERENCES

[1] Alzhrani , A. M. (2020). The Effectiveness of E-Recruitment Software Over Other Online-Based Recruitment Methods . Global Journal of Economics and Business, 8 (2), 330-336, 10.31559/GJEB2020.8.2.12

[2] D A Bhosale ,Chaitanya Bhosale , Prathmesh Gurav , Prem Choudhari, Dashanand Patekari (2021).Employee Recruitment System ISSN 2582-7421

[3] Avinash S. Kapse, Vishal S. Patil, Nikhil V. Patil(2012) , "ERecruitment" , International Journal of Engineering and Advanced Technology (IJEAT), Volume-I, Issue-4, AprIl,Pg.No : 82 - 86. ISSN: 2249 - 8958.

[4] Dr. R. Ramaabaanul & M. Saranya (2014) Importance and Problems of E- Recruitment, International Journal of Research(IJR) ISSN 23486848.

[5] Prabjot Kaur (2015),E-Recruitment: A Conceptual Study, International Journal of Applied Research. International Journal of Applied Research; 1(8): 78-82

[6] Anand J and Dr. Chitra Devi S (2016), "The Impact of E-Recruitment and challenges faced by HR Professionals", International Journal of Applied Research, volume 2(3), ISSN 2394-7500, pp. 410-413

[7] Eleanna Galanaki.(2002)"The decision to recruit online: a descriptive study", Career Development International, 7(4):243-251.

[8] Florea VN, Badea M.(2013), "Acceptance of new Technologies in HR: E-Recruitment inOrganizations". Proceedings of the European Conference on Information Management & Evaluation, 3,344-352.

[9] Haroon M, Zia-ur-Rehman M.(2010), "E-recruitment: Across the small and large firms in

Pakistan", Interdisciplinary Journal of Contemporary Research in Business, 2(1):179-191
[10] Masese Omete Fred, Dr.Uttam M. Kinange,(2018), "Effectiveness of E-Recruitment in Organization Development",
Management and Economic Journal, 2(4),
pp. 294-301
[11] Parry E, Tyson S. (2008), "An analysis of the use and success of online recruitment methods in the UK", Human Resource Management Journal. 18(3):257-274.
[12] Piana Monsur Mindia, Md. Kazimul Hoque, (2018),"Effects of E-recruitment and internet on recruitment process: An Empirical study on Multinational companies of Bangladesh",International Journal of Research and Management
(IJSRM), 06, Issue 01, ISSN : 2321-3418