iJRASET
International Journal For Research in Applied Science and Engineering Technology



INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 10 **Issue:** IV **Month of publication:** April 2022

DOI: https://doi.org/10.22214/ijraset.2022.41615

www.ijraset.com

Call: 08813907089 | E-mail ID: ijraset@gmail.com

International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538
Volume 10 Issue IV Apr 2022- Available at www.ijraset.com

Job Portal and Entrepreneurship Investment Program Solution

Pradyumna Saini[1], Mohd Tajammul[2]
[1, 2]*School of Computer Science and IT, Jain University, Jayanagar, Bangalore*

Abstract: ***Today we have lots of Application that can help us in investing, buying crypto, we can invest in a company we can invest in business but we are not able to invest in ideas we are not investing in entrepreneurs and I think it is a problem in our country and if we can solve this problem our country will grow as well as we will grow. So here I am coming up with a solution where I am creating a web-Application/mobile and inside that I am defining every possible solution that I can give to a person or student or entrepreneur here I am nor investing in company I am nor buying shares I am investing time / money in entrepreneur and his idea. In my current scenario I am designing a job portal and investment portal so that in starting I can have maximum data about the clients, users and markets. This is a web-application / Mobile app where we can solve a problem for Students and initial stage Startup in the raising funding and investment for their business and ideas. With the help of this Application we are solving a real time problem in the Application there are three portal where a company, investor and Entrepreneur can create Accounts for their usages. We are going to develop this web application with Ide – Eclipse and using its framework and reducing the access/loading time for the user. So that users can get fast response and access the web Application. This Application is providing the solution of Entrepreneurs in their initial Stages as well as providing the guiding (real time) in their idea (Proof of concept). Students / Entrepreneurs can proving their data with POC and investor can check the concept whether they like it or not if they like it they can invest in their startup and can help in their business. So that they can grow and our country can grow.***
Keywords: Java, Apache Tomcat Server, JSP (Java ServerPage), Servlets, SQL, IDE…

I. INTRODUCTION

The major challenges that India faces is to create a good quality and affordable Application that everyone can use. Today we have a lots of startup companies making their investors extremely wealthy. Investing in a company at very beginning of its lifecycle can prove to be a very good profitable. The thing is if we want to earn more want to make our dreams true then we have to take some risk.

Before we get started investing in early – stage startups / companies it is very important to understand that there are many startups who fails also and leave investors with nothing it kind of high risk high reward but here one more options we have sometimes , startups allows us that we can get money that we have invested if the startups is not successful.

There are some platform who offer a sampling of avenues available to any person those who want to invest with a limited fund amount. Whilr it is unilike that you will become the next silicon valley billionairy , thiese plateforms can help us in investment portfolio and also give us the satisfaction of supporting a young generating in their startups.

There are Three of the biggest investment companies in the world are BlackRock Funds (iShares), **Vanguard**, and Charles Schwab. Each of these firms & companies offers many products to retail clients, including hundreds of mutual funds, exchange-traded funds, and other vehicles covering different asset classes.

The history of investment in India traces back to when European merchant/banks firstly established trade in 19th century. And when in 1970 the SBI(State bank of India) entered in the Business by creating there banking and securities and it became the first indian financial institution which offers banking services. And after this the number of banking services has been grown that time it was more then 30 this is the growth of financial services and banking services. According to Association of investment Bankers of India(AIBI),Banking industry/financial industry started take off in 1990s. This was created to ensure members should know and comfortable with banking and financial regulations and the activity of members checked by emps. Todays when we are Talking About Investment/invest services then most of the person thinks About Trading/stocks/shares/cryptos. But Sometimes Someone want that investment from investors in there business who is in initial stage or we can say that the Guidance but they can't Approach investors.

©IJRASET: All Rights are Reserved

ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538
Volume 10 Issue IV Apr 2022- Available at www.ijraset.com

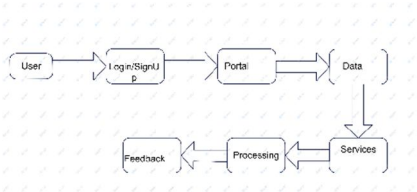
II. BACKGROUND AND RELATED WORK

Seedinvest offers a Application, they are building open & inclusive financial system here we have simplicity over the investment and we can invest , add funds also we can withdraw the funds it is a us based company which have 620000 Investors the minimum invest amount is 200$ and for getting started we need 1000$.Many investors believe 10-12 early-stage deals provide enough diversification while six or less investments is considered too risky. Auto Invest makes diversification easy. Here we want to invest in more then 1 startup then we can make portfolio of investment threw the auto invest feature. SeedInvest helps us to know the importance of diversification, recommending that you invest not in a single startup, but a portfolio of more then one companies.

Wefunder nick started wefunder because he wanted to invest in his friends to help them dream bigger to be the best version of themselves and reach their ambition Across America startups are able to raise up to 140M$ in primary offering from public but legally they remain private company, it have 300M$ annual run rate in funding volume.20m$ revenuer run rate. Currently there is a wide range of autonomous and hybrid robotic assistants focused on different areas of study, whether in medicine, education, innovation, construction, etc.

Analysis

Java is a popular programming use to develop mobile Apps, web Applications, Games and much more. Here I am going to develop a web Application that usages JSP, Servlet, Database & DAO. Jsp technology is used to create and develop webApplication just like same as servlet technology. It can be thought of as an extension to servlet because it gives/provides us more functionality and data than servlet. A JSP(Java Server Pages) consists of HTML tags and JSP tag. JSP are easy to maintain and we perform our task fast & easily as well as jsp also provides us some additional features those are helpful for us to use. If JSP pages are modified than we do not need to recompile and redeploy our projects. JSP translates into servlet with the help of jsp translator. Jsp translator is a part of webserver that is used for converting jsp into servlet and after that these servlets are compile and change into class file.



DAO(Data Access Object) is an objects or interface which is used to access data from database or data storage. This provides some specific data operations without exposing details of the database. We use dao to abstract the retrieval of data from data resources like database or data storage.it usually has CRUD operations like save, update, delete. With the help of this concept we are separating every data that has database connectivity the connectivity code has been written with these concept. Here we have dao factory and this have all connection variables that are fixed. sqldao has the database connectivity code here we can see all the methods for connection. So can easily access all the data. .

ROI = Net Profit / Cost of the investment * 100

Internal rate of return $$0 = \mathrm{NPV} = \sum_{t=1}^{T} \frac{C_t}{(1+IRR)^t} - C_0$$

where:*Ct*=Net cash inflow during the period t*C*0
=Total initial investment costs*IRR*=The internal rate of return*t*=The number of time periods

$$NPV = \sum_{t=1}^{n} \frac{R_t}{(1+i)^t}$$

Net Present Value (NPV)

*t***where:***Rt*=Net cash inflow-
outflows during a single period *ti*=Discount rate or return that could be earned inalternative investments
t=Number of timer periods

First Preference has been given to the User for the web Application they can access frontend and create the their account there are different preferences that has been define on the basis of ROLE the default value of role is user and if we want to assign other permission to that account then they have to contact administrator for changing their Role. There are many roles like user, employ ,Admins etc. based on these roles they can login. .

©IJRASET: All Rights are Reserved



In this paper I am testing my Application and giving the result based on my data. I have launched my application on server and here I can see that the webapplication are working and its load on server so here the first part begin first I have created 10 entries in database and try to access them here screenshots are attached and for my test. .

III. IMPLEMENTATION AND VERIFICATION

A. Implementation aspects

This is a platform where users, Entrepreneurs, early startups can get investment in exchange of equity or debt. The debt-equity ratio is a measure of the relative contribution of the creditors and shareholders or owners in the capital employed in business. Simply stated, ratio of the total long term debt and equity capital in the business is called the debt-equity ratio. In accounting as reported in the financial statements, equity is ownership of assets that may have debts or other liabilities attached to them. Equity is measured for accounting purposes by subtracting liabilities from the value of the assets.

In past we have seen so many Jobportal coming and these Applications are Already designed and ready to use state For example Internsala, Great Learning, Naukri, Hirect etc. What if I say My Application are also similar yes That's right Job Portal which I Am creating is also Similar we can say that the function is same Approximately. The difference between them is the designing , Architecture modification that I did as well as Fast Response to the users as well.

JobPortal ,A Job Portal contain Different different panel we can consider them like first is for users that we can say frontend and that has been designed and developed in JavaScript and the pages created with JSP(Java server pages). The complete Application has been designed and developed in IDE.

In this panel user can check our Sponsors our data they can create Accounts with us they can check for the company which is available at the moment. Also the functionality is given for checking their profile the can add data they can update their data.

The Next panel is for Employee this panel have predefined privileges they can check with company they are able to check every data they can verify company add ,update , delete operation also they can perform in their panel. Last is Admin Panel we can say that complete Access over the Application.

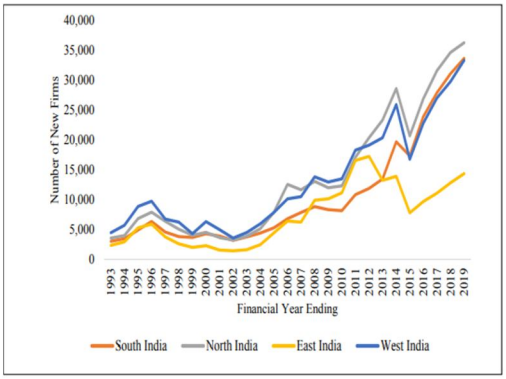
This Application is Providing the solution of Entrepreneurs in their initial Stages as well as providing the guiding (real time) in their idea (Proof of concept). Students / Entrepreneurs can proving their data with POC and investor can check the concept whether they like it or not if they like it they can invest in their startup and can help in their business. So that they can grow and our country can grow.

Investment , In this part users can came up with there idea with POC(proof of concept) the companies/investors will look into it and if they like it they can contact us and we will help them in the entire process.

Type of Investment	Angel Investment	Venture Capital	Venture Debt	Private Equity
Stage	Idea Stage	Prototype Stage to Growth Stage	Growth Stage	Growth Stage to Pre-IPO Stage
Profile of Investors	Friends, family and HNIs	VC firms deploying capital of HNIs, Family offices, Pension funds, etc	Debt funds deploying capital of Insurance companies, pension funds, MNCs, etc	PE firms deploying capital of hedge funds, large MNCs, pension funds, etc
Holding Period	4-5 years	8-10 years	1-3 years	5-8 years
Exit Event	Institutional Capital Raised Event	Acquisition or IPO of the startup	No exit event needed	Acquisition or IPO of the startup
Risks	Very High Risk – Reward Ratio	High Risk – Reward Ratio	Moderate Risk – Reward Ratio	Moderate Risk – Reward Ratio

IV. CONCLUSION AND FUTURE SCOPE

The Application solution offers suggestions and recommendations depending upon the ongoing investment; such as in Startups in a company or in entrepreneurs, commonly experienced emotional feelings, observed symptoms, suggestions, and recommendations about other relevant topics. The design also addresses one more limitation of the existing solutions, providing mobile message and email notification service in the case of a current investment. . It also provides tips and information about multiple topics that are relevant to investment like IPO Stocks IPR Returns consumption.

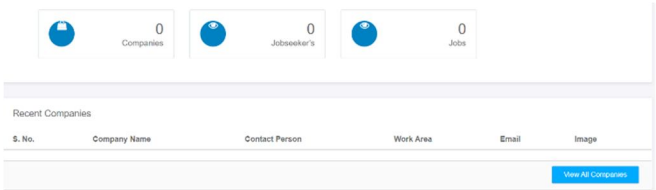


Above Figure is showing the growth of new firms across regions in India.

The paper presents a proof of concept model to analyze the multiple possible services, which a Investment Portal can provide. The primary objective was the implementation of the probable use cases by applying a suitable technology. The proposed solution is not a full-proof solution; however, it is possible to further extend its features and the technology application demonstrations to structure a complete solution. For mails and notification can be applied in designing added in functionality of Startups investment Portal and also in the JobPortal.

With this Application my Aim is to provide information about the investment to every people in India so that everyone can invest and everyone can earn.

As a result of the above Application I am getting below data in my portal for the company.



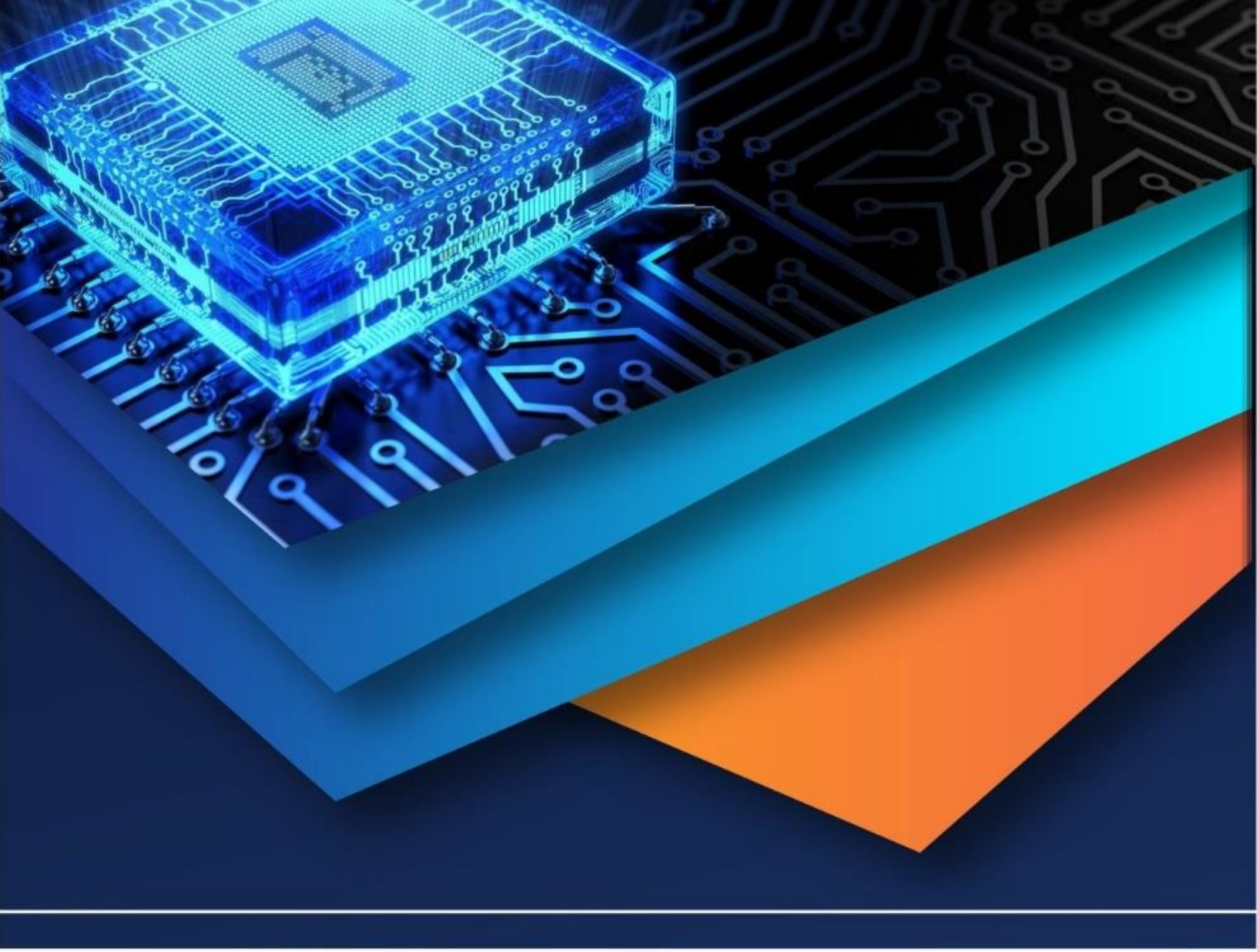
Result data

The proposed approach of the paper is to present the data about the investment and portal , things that we have to keep in mind before investing in startups-the idea it is important that we understand about the idea, business also founders a, market size and competitors we have to keep in mind and then invest.

REFERENCES

[1] Positive analysis of the relationship between China's government investment and nongovernment investment under the background of financial crisis | IEEE Conference Publication
[2] Staged Investment for Intelligent Automatic Transformers Winding Manufacturing Lines | IEEE Conference Publication
[3] AIIB on Chinese Enterprises Overseas Investment Decisions Based on the Analytic Hierarchy Process | IEEE Conference Publication
[4] Y. Zhang, W. Chen and P. Yang, "OFDI impact on domestic investment efficiency: Based on China's experience," 2011 International Conference on Machine Learning
[5] Nan Xu and Mengyun Tu, "Study of the layout of Chinese four main commercial banks' overseas investment," 2011 2nd International Conference on Artificial Intelligence, Management Science and Electronic Commerce
[6] L. Aihua and S. Zhanghua, "The Empirical Analysis to the Influence of Rural Human Capital Investment on Farmers' Income - A Case Study of Henan Province,"
[7] W. Cheng, J. Wang and J. Ma, "Optimal Investment Decision of Security Investment Fund Based on the Experiment Design,"
[8] S. Yan and W. Xin, "Empirical Analysis of Investment Portfolio Based on Bi-objective," 2010 3rd International Conference on Information Management, Innovation Management
[9] Alam T., Tajammul M., Gupta R. (2022) Towards the Sustainable Development of Smart Cities Through Cloud Computing. In: Piuri V., Shaw R.N., Ghosh A., Islam R. (eds) AI and IoT for Smart City Applications. Studies in Computational Intelligence, vol 1002.
[10] Tajammul, M., Shaw R.N., Ghosh A., Parveen R. (2021) Error Detection Algorithm for Cloud Outsourced Big Data. In: Bansal J.C., Fung L.C.C., Simic M., Ghosh A. (eds) Advances in Applications of Data-Driven Computing. Advances in Intelligent Systems and Computing, vol 1319.
[11] Tajammul, M, Parveen, R., "Cloud Storage in Context of Amazon Web Services", International Journal of All Research Education and Scientific Methods, vol. 10, issue 01, pp. 442-446, 2021.
[12] Tajammul, M., Parveen, R., "Auto Encryption Algorithm for Uploading Data on Cloud Storage", BIJIT - BVICAM's International Journal of Information Technology, vol. 12, Issue 3, pp. 831-837, 2020.
[13] Tajammul, M., Parveen, R., "Key Generation Algorithm Coupled with DES for Securing Cloud Storage," International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958, Volume-8 Issue-5, June 2019 no. 5, pp. 1452–1458, 2019.
[14] Tajammul M., Parveen R., "Two Pass Multidimensional Key Generation and Encryption Algorithm for Data Storage Security in Cloud Computing", International Journal of Recent Technology in Engineering, Vol. 8, Issue-2, pp. 4152–4158, 2019.
[15] Tajammul M., Parveen R., "Algorithm for Document Integrity Testing Pre-Upload and Post- Download from Cloud Storage", International Journal of Recent Technology in Engineering, Vol. 8, Issue-2S6, pp. 973–979, 2019.
[16] Tajammul, M., Parveen, R., "Auto Encryption Algorithm for Uploading Data on Cloud Storage", BIJIT - BVICAM's International Journal of Information Technology, vol. 12, Issue 3, pp. 831-837, 2020.
[17] Tajammul, M., Parveen, R., and M. Shahnawaz, "Cloud Computing Security Issues and Methods to Resolve: Review," Journal of Basic Applied Engineering and Research, vol. 5, no. 7, pp. 545–550, 2018.
[18] Tajammul, M., Parveen, R., Delhi, N. (2018). Comparative Study of Big Ten Information Security Management System Standards, International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) Vol 5, Issue 2, pp. 5-14, 2018.
[19] M. Tajammul, R. Parveen, N. K. Gaur and S. D, "Data Sensitive Algorithm Integrated with Compression Technique for Secured and Efficient Utilization of Cloud Storage," 2021 IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON), 2021, pp. 1-9, doi: 10.1109/GUCON50781.2021.9573648.
[20] Tajammul, M., Parveen, R., (2017). Comparative Analysis of Big Ten ISMS Standards and Their Effect on Cloud Computing, 978-1-5386-0627 8/17/31:00c2017IEEE; 9001; 362367.
[21] Tajammul, M., and R. Parveen, "To Carve out Private Cloud with Total Functionality," 2020 2nd International Conference on Advances in Computing, Communication Control and Networking (ICACCCN), 2020, pp. 831-835, doi: 10.1109/ICACCCN51052.2020.9362826.
[22] M. Tajammul, R. Parveen and I. A. Tayubi, "Comparative Analysis of Security Algorithms used in Cloud Computing," 2021 8th International Conference on Computing for Sustainable Global Development (INDIACom), 2021, pp. 875-880, doi: 10.1109/INDIACom51348.2021.00157.

©IJRASET: All Rights are Reserved | SJ Impact Factor 7.538 | ISRA Journal Impact Factor 7.894 |



10.22214/IJRASET

45.98

IMPACT FACTOR: 7.129

IMPACT FACTOR: 7.429

INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Call : 08813907089 (24*7 Support on Whatsapp)