



**Vivekanand Education
Society's
Institute of Technology**

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Criteria 1.3.3 : Curriculum Enrichment

Department of Information Technology-Post Graduation

1.3.3 Percentage of students undertaking project work/ field work/ internships (Data for the latest completed academic year) -2022-23

- **Number of students undertaking Project Work in their ME (Information Technology) =5**
- **Total No.of Students enrolled in 2022-23 in Post Graduation in Information Technology = 5**

Formula:

$$\frac{\text{Number of students undertaking project work /field work / internships}}{\text{Total number of students}} \times 100$$

- **Percentage of Students Undertaking Project Work/Field Work = 100 %**



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Dr. (Mrs.) J. M. Nair

M. Tech., Ph.D. (IIT-B)
Principal


Ref. No.: VESIT/ JMN/ 1325/2023-24

Date: 26/10/2023

TO WHOM SO IT MAY CONCERN

I, Dr. (Mrs.) Jayalekshmi M Nair, Principal (HOI), Vivekanand Education Society's Institute of Technology, do hereby state that the documents uploaded on NAAC portal are duly signed by Principal (HOI).

The additional documents uploaded on Institute's website (<https://vesit.ves.ac.in/>) are also authentic and does not need any extra validation.


Dr. (Mrs.) Jayalekshmi M Nair
Principal
Vivekanand Education Society's Institute of Technology
Hashu Advani Memorial Complex,
Collector's Colony
Chembur, Mumbai, Maharashtra 400074





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List of M.E Projects 2022-23



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M.E. Information Technology Field Projects 2022-23

Sr. No	Name of the Student	Title of the Project	Student enrollment
755	Satpute Nikhil Ravindra	Empowering Careers: ML-Based Blockchain solutions in cloud	ME22600110
756	Shah Tejas Prakash	Expert System For Local Area Network Troubleshooting	ME22600377
2580	Valatkar Aarti Mahadev	Adoption of Artificial Intelligence in Symbol recognition	ME20603414
2581	Mayya Naresh	The Impact Of Digitization On The Nigeria Insurance Industry	ME19617326
2577	Prasad Kadam	Face detection using Artificial Intelligence	ME21601937



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Department of Information Technology

Collector's Colony, Chembur, Mumbai 400071

UNIVERSITY OF MUMBAI

Name: Satpute Nikhil Ravindra
Course: M.E. (Information Technology)
Roll No.: ME22600110
Date of Registration: 10/07/2022
Year of Passing: SEM I - Nov. 2021 Seat No: 6502718
SEM II - May 2022 Seat No: 3220214
Project Title: Empowering Careers: ML-Backed Blockchain
Solutions in the Cloud
Project Guide: Dr. M.VIJAYALAKSHMI
Dr. SHALU CHOPRA
Exam Fee Receipt No.: 130391/ME

Mr. Satpute Nikhil Ravindra
[Student]

Shalu Chopra
HOD, IT

Dr. Shalu Chopra
[Project Guide]





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Empowering Careers: ML-Backed Blockchain Solutions in the Cloud

Abstract:

Our project champions the concept of career empowerment through an innovative framework that harmonizes machine learning (ML) capabilities with blockchain solutions, all within the cloud infrastructure. Leveraging the robust and transparent nature of blockchain technology, we establish a comprehensive repository housing student data comprising critical academic metrics like CGPA, IQ, profile score, employment status, and document uploads such as marksheets and resumes. This cloud-based blockchain platform enables authorized entities, notably companies, to securely access and evaluate candidates during the recruitment process.

The amassed student data undergoes meticulous analysis via ML algorithms, prominently employing the Random Forest model implemented in Python. This ML-driven engine, hosted on AWS cloud servers for widespread accessibility, furnishes highly accurate predictions concerning students' career trajectories. Upon successful forecasts, the system tailors an array of prospective opportunities for students, while also providing personalized recommendations for skill enhancement and course enrichment to augment their employability and career prospects.

By synergizing the transparency and security of blockchain with the analytical prowess of ML, our project introduces a transformative solution aimed at optimizing career trajectories and fostering global opportunities for individuals seeking professional growth and advancement.





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CONCLUSION

Artificial Intelligence (AI) is used in many different industries, From manufacturing to automotive, One of the most interesting industries that AI is breaking into is agriculture, Agriculture is a major industry and a huge part of the foundation of our economy, As climates are changing & populations are increasing, AI is becoming a technological innovation that is improving & protecting crop yield. Agriculture is one of the most difficult fields to contain for the purpose of statistical quantification. Even within a single field, conditions are always changing from one section to the next. There's unpredictable weather, changes in soil quality, and the ever-present possibility that pests and disease may pay a visit. Growers may feel their prospects are good for an upcoming harvest, but until that day arrives, the outcome will always be uncertain.

By comparison, our bodies are a contained environment. Agriculture takes place in nature, among ecosystems of interacting organisms and activity, and crop production takes place within that ecosystem environment. But these ecosystems are not contained. They are subject to climatic occurrences such as weather systems, which impact upon hemispheres as a whole, and from continent to continent. Therefore, understanding how to manage an agricultural environment means taking literally many hundreds if not thousands of factors into account.

There is huge potential for artificial intelligence to revolutionize agriculture by integrating these technologies into critical markets on a global scale. Only then can it make a difference to the grower, where it really counts.

