



**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) -2021-22**

- **Number of students undertaking Project Work in their ME (Information Technology) = 14**
- **Total No.of Students enrolled in 2021-22 in PG in Information Technology = 14**

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

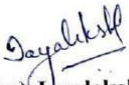
Ref. No.: VESIT/ JMN/ 1325/2023-24

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 Field Projects 2021-22**



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## M.E. Information Technology Field Projects 2021-22

Name of the Student	Title of the Project	Student enrollment
Bincy Chellapandi	Adoption of Artificial Intelligence in Agriculture	ME21615831
Prasad Kadam	Face detection using Artificial Intelligence	ME21601937
Malik Niyaz Ahmed	Evaluation of academic performance	ME21601938
Shinde Deepak	Artificial Intelligence in Crime rate prediction	ME21620503
Valatkar Aarti Mahadev	Adoption of Artificial Intelligence in Symbol recognition	ME20603414
Mayya Naresh	The Impact Of Digitization On The Nigeria Insurance Industry	ME19617326
Sriya M S	Scalability Evaluation And Improvement In Ip-Based Campus Networks	ME19617326
Telang Supriya Tejrao	Themes On Telecommunication In India: Challenges And Prospects	ME19612055
Chintawar Sanket	Automatic Hand Dryer With Temperature Display	ME19611067
Tonge Kishor	Li-Fi Technology	ME19611694
Bodhale Suryakant	3G-vs-WiFi Interferometric Modulator (IMOD)	ME19610984
Bhoyar Sujit	Wireless Networked Digital Devices	ME19612574
Vartak Sanjay	Probability Statistics and Numerical Techniques	ME19614400
Desurkar Rajendra Chandarani	Security Features of ATM using Artificial Intelligence	ME19600036



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A Special Topic Seminar

on

**Adoption of Artificial Intelligence in Agriculture**

Submitted to Mumbai University

In the partial fulfillment of requirement for the degree of

**MASTER OF ENGINEERING**

In

**INFORMATION TECHNOLOGY**

By

**Bincy Chellapandi**

Under the guidance of

**Dr.M.Vijayalakshmi**

&

**Dr. Shalu Chopra**



Department of Information Technology

Vivekanand Education Society's Institute of Technology

Chembur, Mumbai-400074

2021-2022





# Vivekanand Education Society's Institute of Technology

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## VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY

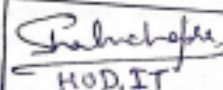


DEPARTMENT OF INFORMATION TECHNOLOGY

### Certificate

This is to certify that Miss. Bincy Chellapandi has satisfactorily carried out the special topic seminar work entitled 'Adoption of Artificial Intelligence in Agriculture' for the degree of Master of Engineering in Information Technology of University of Mumbai.

Dr. M. Vijayalakshmi  
(Project Guide)  
(Vice Principal)

  
HOD, IT

Dr. Mrs. Shalu Chopra.  
(Project Guide)  
(Head of Department)





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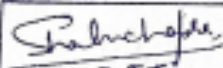
## VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY



DEPARTMENT OF INFORMATION TECHNOLOGY

### Certificate of Approval

This is to certify that special topic seminar entitled 'Adoption of Artificial Intelligence in Agriculture' for the degree of Master of Engineering in Information Technology submitted to the University of Mumbai by Miss. Bincy Chellapandi, bonafide student of Vivekanand Education Society's Institute of Technology, Chembur, Mumbai-400074 has been approved for the award of Master of Engineering in Information Technology.

  
MOD, IT

Dr. Mrs. Shalu Chopra,

(Project Guide)  
(Principal)

(Head of Department)





Dr. M. Vijayalakshmi

(Project Guide)

(Vice Principal)

Dr. Mrs. J. M. Nair





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## Abstract

Agriculture is a very important sector in building the national economy. National Development of the 21st century will still be broadly based on agriculture. The agribusiness-based activities and business will become the main trend in national development. However, this development is not in line with the condition where climate change, soil and irrigation factors are uncertain in almost regions. Increasing the total production by 70% in order to suit the world's demand in the next 50 years is an objective endangered by limited resources, climatic changes and other short term and regional threats. On the other hand, millions of people have no access yet to basic resources, like food, water and shelter. Despite its relatively short life, Artificial Intelligence is seen more and more as a solution to these challenges. The idea that these problems will be surpassed using the technology goes forward, some opinions advocating that humanity will merge with A.I. in the next 50 years, reaching a new phase of evolution. This study outlines the trends of adoption and the development of artificial intelligence in agriculture, in an attempt to reveal its potential impact in this field

