



## Department of Artificial Intelligence and Machine Learning

### Faculty Profile

**V A Gire(Waykule )**

M E (Computer Engineering)

Assistant Professor

✉ [vwaykule@aiissmscoe.com](mailto:vwaykule@aiissmscoe.com)



### ResearchAreas/ Areas of Interest

Data Structures, Database Management Systems, Theory of Computation, Data Mining, Machine Learning, Computer Network

### Personal Details

**Gender :** Female

**Domicile:** Maharashtra

**Blood Group:** A +ve

**Contact Details:** D905,Palladium Homes,Madhav Nagar,Near Kamal  
Lawns,Dhanori,Pune-411015

### Academic Background

| S. No. | Qualification | Specialization       | University | Class/Grade     | Year of Passing |
|--------|---------------|----------------------|------------|-----------------|-----------------|
| 1      | Ph D Pursuing | Computer Engineering | SPPU       | --              | ---             |
| 2      | M.E.          | Computer Engineering | Pune       | Distinction     | May 2014        |
| 3      | B.E.          | Computer Engineering | Shivaji    | I <sup>st</sup> | May 2002        |

### Work Experience

| S. No.       | Type of Experience | Years     | Months    |
|--------------|--------------------|-----------|-----------|
| 1            | Teaching           | 22        | 09        |
| <b>Total</b> |                    | <b>22</b> | <b>09</b> |

### Subjects/Courses Taught

| S. No. | Subject                                        | UG/PG | Class (FE/SE/TE/BE/ME) | No of times Subject Taught |
|--------|------------------------------------------------|-------|------------------------|----------------------------|
| 1      | Theory of Computation                          | UG    | TE                     | 05                         |
| 2      | Data Structures and Algorithm                  | UG    | SE                     | 04                         |
| 3      | Object Oriented and Multicore Programming      | UG    | SE                     | 01                         |
| 4      | Data Structures and Problem Solving            | UG    | SE                     | 01                         |
| 5      | Computer Network                               | UG    | TE                     | 02                         |
| 6      | Database Management                            | UG    | TE                     | 02                         |
| 7.     | Advanced Data Structures                       | UG    | SE                     | 04                         |
| 8.     | Fundamentals of Programming Languages I and II | UG    | FE                     | 01                         |

|    |                                |    |    |    |
|----|--------------------------------|----|----|----|
| 9. | Data Mining and Warehousing    | UG | BE | 02 |
| 10 | Foundation of Machine Learning | UG | BE | 01 |

### Research Publications

|                    | National | International | State | SCI/ Scopus Indexed | UGC Approved |
|--------------------|----------|---------------|-------|---------------------|--------------|
| <b>Journals</b>    | 00       | 21            | 00    | 04                  | 03           |
| <b>Conferences</b> | 01       | 06            | 00    | 02                  | --           |

### Publication Details (Journals)

| S. No | Document Details                                                        | Authors                                                | Year | Source Details             | ISBN/ ISSN     | Publisher |
|-------|-------------------------------------------------------------------------|--------------------------------------------------------|------|----------------------------|----------------|-----------|
| 1     | Collusive Piracy Prevention in P2P Network                              | Waykule V V, Abhishek Nasawale                         | 2013 | IJARCSSE Vol 3, Issue No 1 | 2277 128X      | IJARCSSE  |
| 2     | Review of Web Recommendation System and Its Techniques: Future Road Map | Waykule V V, Shyam Gupta                               | 2014 | IJCSIT Vol 5, Issue No 1   | ISSN 0975-9646 | IJCSIT    |
| 3     | HCI using Leap Motion Camera                                            | Waykule V V, Deepak kumar S. Shukla, Prathamesh Jagtap | 2017 | IJCTT, Volume 43, Issue 3  | 2231-5381      | IJCTT     |

|   |                                                           |                                            |      |                            |                    |         |
|---|-----------------------------------------------------------|--------------------------------------------|------|----------------------------|--------------------|---------|
| 4 | Attribute based Storage to avoid duplicate files on cloud | Waykule V V, Chinmay Patil, Shubham Kasabe | 2018 | IJAREST ,Volume 5, Issue 4 | e- ISSN: 2393-9877 | IJAREST |
| 5 | Disease Status Prediction And Identification              | Waykule V V, Pragati Shukla, Simran Lal    | 2018 | IJAREST ,Volume 5, Issue 1 | e- ISSN: 2393-9877 | IJAREST |

|    |                                                                                       |                                                 |      |                               |                         |         |
|----|---------------------------------------------------------------------------------------|-------------------------------------------------|------|-------------------------------|-------------------------|---------|
| 6  | Face Recognition for Door Locking/Unlocking                                           | Waykule V V, Kiran Pillay                       | 2019 | IJRASET, Volume 8, Issue No 1 | 2347-6719               | IJRASET |
| 7  | IOT Powered Wearable to Assist Individuals: Survey                                    | Waykule V V, Vijaya Surwase, Deepali Mahale     | 2020 | JETIR, Volume 7, Issue No 6   | 2349-5162               | JETIR   |
| 8  | Typographic Portrait Generator using Image Processing                                 | Waykule V V, Suyash Sutar                       | 2020 | IJRASET, Volume 8, Issue 7    | 2321-9653               | IJRASET |
| 9  | Modern Social Media Application on Serverless Architecture with Microservices Pattern | Waykule V V, Ankita Dalvi, Megha Darda          | 2021 | IRJET, Volume 8, Issue 3      | e-ISSN: 2395-0056       | IRJET   |
| 10 | Monocular Depth Estimation using Atrous Convolutions: A Survey                        | Waykule V V, Darshan Rajopadhye, Pravin Shelke  | 2021 | IRJET, Volume 7, Issue 12     | e-ISSN: 2395-0056       | IRJET   |
| 11 | Plant Leaf Disease Detection using Inception Resnet V2 -CNN                           | Waykule V V, Vishal Tanawade, Sarthak Thorat    | 2022 | IJARSC, Volume 2, Issue 1     | ISSN (Online) 2581-9429 | IJARSC  |
| 12 | Speech Emotion Recognition System Using Recurrent Neural Network in Deep Learning     | Waykule V V, Siddhant S. Patil                  | 2022 | IJRASET, Volume 10, Issue 3   | ISSN: 2321-9653         | IJRASET |
| 13 | Online Organ Donation System Using Blockchain                                         | Waykule V V, Rushikesh Kothawade, Ritesh Nikam, | 2022 | IJRASET, Volume 10, Issue XI  | ISSN: 2321-9653;        | IJRASET |
| 14 | Driver Drowsiness Detection and Alert System                                          | V.V.Waykule, Ankur Surwase,                     | 2023 | TIJER, Volume 11, Issue 3     | ISSN: 2349-9249         | TIJER   |

|    |                                                                       |                                       |      |                                        |                  |         |
|----|-----------------------------------------------------------------------|---------------------------------------|------|----------------------------------------|------------------|---------|
| 15 | Detection of Parkinson's Disease Using MRI and Spiral Images          | Prof. V. V. Waykule, Siddhi Magdum    | 2024 | IJRASET, Volume 12, Issue XI           | ISSN: 2321-9653; | IJRASET |
| 16 | Hybrid CNN-LSTM Model for Wildfire Risk Prediction via Remote Sensing | Prof. V. V. Waykule, Ravina Karmankar | 2025 | APORTES Journal, Vol 16, Issue 4, 2025 | ISSN: 0213-5868  | APORTES |

| Publication Details (Conferences) |                  |         |      |                    |      |              |
|-----------------------------------|------------------|---------|------|--------------------|------|--------------|
| S. No                             | Document Details | Authors | Year | Conference Details | ISBN | Organised by |

|    |                                                                                                   |                                |      |                   |                                        |                        |
|----|---------------------------------------------------------------------------------------------------|--------------------------------|------|-------------------|----------------------------------------|------------------------|
| 1. | Mining Web Graph for Query and Image Recommendations                                              | Waykul e V V, Shyam Gupta      | 2014 | Elsevier, India   | 9789351072928                          | S,B Patil COE, Indapur |
| 2  | A new approach to software asservice cloud                                                        | V V Waykule, Bankar Hemant     | 2012 | IEEE Xplore, Bali | 978-1-4673-4550-7                      | Bali                   |
| 3  | Cloud Storage Architecture                                                                        | V V Waykule, Tejas awani Patil | 2012 | IEEE Xplore, Bali | 978-1-4673-4550-7                      | Bali                   |
| 4  | Fully Connected DL for Detection n Classification using GLCM and Haar                             | V V Waykule, D.S. Bormane      | 2025 | Scopus            | GIJET.11.2.203_20, page-2290-2294      | Nagpur                 |
| 5  | Improved Image Feature Extraction for Tomato Leaf Image Disease Identification and Classification | V V Waykule, D.S. Bormane      | 2025 | Scopus            | CCSN2025                               | Delhi                  |
| 6  | A review: Classification of Plant Diseases for Tomato Crop                                        | V V Waykule, D.S. Bormane      | 2023 | Natinal           | 66 <sup>th</sup> IETE Annual Convetion | Pune                   |

#### PhD / ME / BE Student Guided for Project

| Level                 | Ph.D. | M.E. (PG) | B.E. (UG) |
|-----------------------|-------|-----------|-----------|
| No. of Student guided | -     | 01        | 60        |

#### Professional Memberships

| <b>Professional Body</b> | <b>Level<br/>( National/ International)</b> | <b>Type<br/>(Fellow/Life/Annual)</b> | <b>Membership No.</b> |
|--------------------------|---------------------------------------------|--------------------------------------|-----------------------|
| ISTE                     | International                               | Life                                 | LM122575              |
| IREF                     | International                               | Till Dec 2020                        |                       |

#### Patents/IPR Filed/Granted

| <b>S. No</b> | <b>Investigator Details</b> | <b>Title</b>                                | <b>Year</b> | <b>Status<br/>(Filed/Granted)</b> | <b>Details</b> |
|--------------|-----------------------------|---------------------------------------------|-------------|-----------------------------------|----------------|
| 1            | V V Waykule, D.S. Bormane   | TOMATO PLANT DISEASES IDENTIFICATION DEVICE | 2025        | Granted                           | 06/08/2025     |

**Books Published**

| S. No | Title | Name of the Publisher | ISBN/ISSN Number |
|-------|-------|-----------------------|------------------|
|       |       |                       |                  |

**Research Grants Received**

| Research Grants Received |  |  | Funding Agency | Grant Amount |
|--------------------------|--|--|----------------|--------------|
| No                       |  |  |                |              |
| 1.                       |  |  |                |              |

**Details of Workshop/STTP/FDP/Seminar / Conferences Organized**

| S. No | Title                    | Type | Duration                                     | Level (State/National/ International) | Sponsoring Agency |
|-------|--------------------------|------|----------------------------------------------|---------------------------------------|-------------------|
| 01    | TechnoSocio Impact of AI | FDP  | 9 <sup>th</sup> to 14 <sup>th</sup> Feb 2026 | National                              | ISTE              |

**Contribution as Resource Person**

| S. No. | Place/ Organization | Topic | Level(National/Int/ State/Regional) | Date |
|--------|---------------------|-------|-------------------------------------|------|
|        |                     |       |                                     |      |

**Details of Workshop/STTP/FDP/Conferences Attended**

| S. N | Title        | Type | Duration             | Organizer | Sponsoring Agency                                           |
|------|--------------|------|----------------------|-----------|-------------------------------------------------------------|
| 1    | Python 3.4.3 | FDP  | 27th Apr-2ndMay 2020 | PICT,Pune | National Mission on Education through ICT,MHRD,Gov of India |

|    |                                                                               |               |                                                      |                      |                                                             |
|----|-------------------------------------------------------------------------------|---------------|------------------------------------------------------|----------------------|-------------------------------------------------------------|
| 2  | Java                                                                          | FDP           | 4 <sup>th</sup> -11 <sup>th</sup> May 2020           | STE's SAE Kondhva    | National Mission on Education through ICT,MHRD,Gov of India |
| 3  | Drupal                                                                        | FDP           | 20 <sup>th</sup> April - 27 <sup>th</sup> April 2020 | AISSMS IOIT          | National Mission on Education through ICT,MHRD,Gov of India |
| 4  | PHP and MySQL                                                                 | FDP           | 8 <sup>th</sup> May to 13 <sup>th</sup> May 2020     | VIT Nashik           | National Mission on Education through ICT,MHRD,Gov of India |
| 5  | Linux                                                                         | FDP           | 25 <sup>th</sup> May -29 <sup>th</sup> May 2020      | PVG, Pune            | National Mission on Education through ICT,MHRD,Gov of India |
| 6  | Programming for Everybody                                                     | Online Course | 1 <sup>st</sup> May-20 <sup>th</sup> May 2020        | Coursera             | University of Michigan                                      |
| 7  | Website development and Search Engine Optimization held on at                 | FDP           | 21 <sup>st</sup> and 22 <sup>nd</sup> Jan 2020       | Elite Softwares,Pune | S P College, Pune                                           |
| 8  | NPTEL online certification                                                    | FDP           | July to Sept 2019 (8 weeks)                          | IIT Kanpur           |                                                             |
| 9  | Linux for Teachers at IOIT on funded by PMMMNMTT                              | Workshop      | 23 <sup>rd</sup> August 2019                         | AISSMS IOIT          | PMMMNMIT, MHRD Gov of India                                 |
| 10 | One Day on C and C++ held at AISSMS Institute Of Information Technology, Pune | Workshop      | 29 <sup>th</sup> February 2020                       | AISSMS IOIT          | PMMMNMIT, MHRD Gov of India                                 |
| 11 | Virtual Labs:Hands-on workshop                                                | Workshop      | 18 <sup>th</sup> July 2020                           | AISSMS COE           | BOS(E&TC) SPPU                                              |

|    |                                                                                |          |                                                 |                                               |                                            |
|----|--------------------------------------------------------------------------------|----------|-------------------------------------------------|-----------------------------------------------|--------------------------------------------|
| 12 | Data Sciences                                                                  | FDP      | 5 <sup>th</sup> Oct to 9 <sup>th</sup> Oct 2020 | University College of Engg                    | AICTE Training And Learning (ATAL) Academy |
| 13 | SciLab: An Effective Open Source Tool for Computer Vision and Machine Learning | STTP     | 2 <sup>nd</sup> to 7 <sup>th</sup> Nov 2020     | Vidya Jyothi Institute of Technology          | AICTE                                      |
| 14 | Cyber security and Digital Forensics                                           | STTP     | 23 <sup>rd</sup> to 27 <sup>th</sup> Nov 2020   | Maulana Azad National Institute of Technology | ISEA Project Phase II                      |
| 15 | Recent Advances In Big Data Of Iot-Devices Using Fog Computing                 | FDP      | 14 <sup>th</sup> to 26 <sup>th</sup> Dec 2020   | Malla Reddy College of Engg. and Technology   | AICTE                                      |
| 16 | Research Trends in Computer Engineering and Information Technology (RTCE)      | FDP      | 4 <sup>th</sup> to 9 <sup>th</sup> Jan 2021     | SKN College of Engg                           |                                            |
| 17 | Internet of Things                                                             | FDP      | 11 <sup>th</sup> to 15 Jan 2021                 | Central University of Kerala                  | ATAL                                       |
| 18 | Cyber Security                                                                 | FDP      | 1 <sup>st</sup> Feb to 5 <sup>th</sup> Feb 2021 | Jawaharlal Nehru National College of Engg     | ATAL                                       |
| 19 | Problem based learning : Real time case studies industry practices             | FDP      | 9 <sup>th</sup> to 13 <sup>th</sup> Feb 2021    | Sinhgad Institute of Technology               |                                            |
| 20 | NAAC Accreditation Process                                                     | Workshop | 15 <sup>th</sup> to 22 <sup>nd</sup> Apr 2021   | Modern College of Arts ,Science and Commerce  | Paramarsh scheme of UGC                    |

|    |                                                                              |      |                                                |                                   |              |
|----|------------------------------------------------------------------------------|------|------------------------------------------------|-----------------------------------|--------------|
| 21 | Internet of Things for Futuristic Smart System                               | FDP  | 17 <sup>th</sup> to 21 <sup>st</sup> May 2021  | Bharti Vidyapeeth College of Engg |              |
| 22 | Artificial Intelligence                                                      | FDP  | 24 <sup>th</sup> to 28 <sup>th</sup> May 2021  | D Y Patil School of Engg          |              |
| 23 | Data Analytics with Python                                                   | STTP | 24 <sup>th</sup> to 28 <sup>th</sup> May 2021  | Sandip Institute of Engg and Mgmt | AICTE        |
| 24 | Interactive Teaching Learning Strategies With Affective & Co Approach (ITLS) | FDP  | 21 <sup>st</sup> to 25 <sup>th</sup> Jun 2021  | PVG's COET & GKPIIM               |              |
| 25 | Project Based Learning                                                       | STTP | 21 <sup>st</sup> to 26 <sup>th</sup> Feb 2022. | AISSMSCOE                         | SPPU & ISTE  |
| 26 | Data Science & Big Data Analytics                                            | FDP  | 08 <sup>th</sup> Feb 2022                      | I2 IT                             | BOS Computer |
| 27 | Inculcating Universal Human Values in Technical Education                    | FDP  | 18 <sup>th</sup> to 22 <sup>nd</sup> July 2022 | AICTE                             | AICTE        |
| 28 | Software Testing and Quality Assurance                                       | FDP  | 22 <sup>nd</sup> Aug 2022                      | RMD Sinhadgad CoE                 | SPPU         |
| 29 | Amazon Web Services                                                          | FDP  | 22 <sup>nd</sup> to 27 <sup>th</sup> Aug 2022  | AISSMS COE                        | AICTE        |

|    |                                                                  |          |                                                   |                                      |             |
|----|------------------------------------------------------------------|----------|---------------------------------------------------|--------------------------------------|-------------|
| 30 | Research Methods and Statistical Analysis                        | Workshop | 19 <sup>th</sup> Aug to 20 <sup>th</sup> Aug 2022 |                                      |             |
| 31 | Introduction to Machine Learning                                 | FDP      | Jul-Sep 2022                                      | IIT,Kharghar                         | NPTEL       |
| 32 | Artificial Intelligence and Generative AI                        | FDP      | 15 <sup>th</sup> to 19 <sup>th</sup> Jan 2024     | VIT, Pune                            |             |
| 33 | Business Analytics                                               | FDP      | 5 <sup>th</sup> to 9 <sup>th</sup> Feb 2024       | AISSMSCOE                            | ExcelR      |
| 34 | Emerging Technologies Trends in Industry                         | FDP      | 11 <sup>th</sup> to 15 <sup>th</sup> Mar 2024     | VIT, Pune                            |             |
| 35 | Data Science Applications in Real World using Python             | FDP      | 18 <sup>th</sup> to 22 <sup>nd</sup> Mar 2024     | Indira College                       |             |
| 36 | Exploring the role of Generative AI in Management and TEchnology | FDP      | 21 <sup>st</sup> to 26 <sup>th</sup> Mar2024      | Marian Academy of Management studies |             |
| 37 | AWS Cloud Fundamentals and Services                              | FDP      | 27 <sup>th</sup> to 31 <sup>st</sup> Mar 2024     | Sinhgad Institute of Technology      |             |
| 38 | IEEE R10 Conference Quality Enhancement Workshop 2025            | Workshop | 19 <sup>th</sup> Aug 2025                         | AISSMS IOIT                          | AISSMS IOIT |

|    |                                                                     |     |                                               |                        |                                    |
|----|---------------------------------------------------------------------|-----|-----------------------------------------------|------------------------|------------------------------------|
| 39 | Advances in Augmented & Virtual Reality and Blockchain Technologies | FDP | 29 <sup>th</sup> to 4 <sup>th</sup> Oct 2025  | VIT Pune               |                                    |
| 40 | Industry 5.0 and Generative AI                                      | FDP | 27 <sup>th</sup> to 31 <sup>st</sup> Jan 2026 | Adsul Technical Campus | Prozoure Software Solution Pvt Ltd |
| 41 | AI in Action: Transforming Healthcare and Education                 | FDP | 8 <sup>th</sup> to 13 <sup>th</sup> Sept 2025 | MGM.s COE              |                                    |

**Major Professional Responsibilities Handled**

| <b>S. No.</b> | <b>Role and Responsibilities</b>                                         |
|---------------|--------------------------------------------------------------------------|
| <b>1</b>      | <b>Worked as central SE online Exam and TE-BE Insem Exam coordinator</b> |
| <b>2</b>      | <b>Worked as GFM</b>                                                     |
| <b>3</b>      | <b>Worked as Project coordinator</b>                                     |
| <b>4</b>      | <b>Worked as Practical-Oral exam coordinator</b>                         |
| <b>5</b>      | <b>Worked as BE CAP coordinator</b>                                      |
| <b>6</b>      | <b>Worked as Time Table coordinator</b>                                  |
| <b>7</b>      | <b>Worked as ET coordinator</b>                                          |
| <b>8</b>      | <b>Worked as Internet coordinator</b>                                    |
| <b>9</b>      | <b>Worked As Microsoft Services coordinator</b>                          |
| <b>10</b>     | <b>Worked as NBA coordinator</b>                                         |
| <b>11</b>     | <b>Worked as ERP coordinator</b>                                         |

**Declaration:** I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

Gire(Waykule) V A  
(Name with Signature)