# Dr. Madhusudan Vaidya

# Associate Professor

madhusudan.vaidya@mit.asia 4 9422705988

#### **EDUCATION**

#### **Diploma in Construction Technology**

Maharashtra State Board of Technical Education, Mumbai

#### Bachelors of Engineering (Civil Engineering)

Nagpur University

#### Masters of Engineering (Civil Soil)

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

#### Ph. D. (Civil Engineering)

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

#### TOTAL EXPERIENCE

Teaching 1991 – present

33 years

**Site Engineer** 1988 – 1991

2.5 years

#### **PUBLICATIONS**

#### **Construction Materials Book**

Gigatech Publications (2018)

#### **Research Papers**

- Atul Prakash Kadam, Dr. M. R. Vadiya "Research on Management and Application of Tunnel Engineering Based on BIM Technology" International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), e-ISSN: 2582-5208, Volume 06, Issue 01, January-2024
- Aqeeb Uddin Faiyaz Uddin, Rajtanaya Rajesh Jadhav, Dr. M. R. Vadiya "Tunnel Air Circulation Networks" International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), e-ISSN: 2582-5208, Volume 06, Issue 01, January-2024
- Durgadas Vasantrao Rathod, Dr. M. R. Vadiya "Comparative Performance of Bamboo and Steel Reinforcement in Concrete Structures" International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), e-ISSN: 2582-5208, Volume 06, Issue 01, January-2024
- Komal Eknath Nimbolkar, Dr. M. R. Vadiya "Tunnel Boring and Blasting Method" International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), e-ISSN: 2582-5208, Volume 06, Issue 01, January-2024
- Neha Awate, Dr. M.R. Vaidya"Bamboo-Enhanced Concrete" International Journal for Research in Applied Science and Engineering Technology (IJRASET) Page No: 992-995, ISSN: 2321-9653, Volume 12, Issue I, Jan 2024
- Rajtanaya Rajesh Jadhav, Aqeeb Uddin Faiyaz Uddin, Dr. M. R. Vadiya "Tunnel Risk Oversight and Control" International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), e-ISSN: 2582-5208, Volume 06, Issue 01, January-2024
- Rupali Abasaheb Dhkane, Dr. M. R. Vadiya **"Tunnel Pipeline Installation Techniques"** International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), e-ISSN: 2582-5208, Volume 06, Issue 01, January-2024

- Shanawaz Nasurulla Shah, Dr. M. R. Vadiya "Environmental Study of Replacement of Steel in Reinforced Concrete by Bamboo" International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 12, Issue 1, January-2024
- Atul Prakash Kadam, Dr. M.R. Vaidya "Tunnels and Tunneling Operations Introduction to Past and Modern Era" International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 11, Issue 12, December-2023
- Durgadas Vasantrao Rathod, Dr. M. R. Vadiya "Bamboo Fortified Concrete" International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 11, Issue 12, December-2023
- Vijayshree Bhagwan Pathare, Dr. M. R. Vadiya "Substitution of Steel Reinforcement with Bamboo in Construction: An Innovative Sustainable Approach" International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, Volume: 10 Issue: 12 | Dec 2023
- Shanawaz Nasurulla Shah, Dr. M. R. Vadiya "Construction of Bamboo in Concrete Reinforcement" International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 11, Issue 12, December-2023
- Aqeeb Uddin, Dr. M. R. Vaidya "Enhancing Tunnel Construction Safety: Analyzing Accidents and Preventive Measures" International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 11, Issue 11, November-2023
- Komal Eknath Nimbolkar, Dr. M. R. Vadiya "Preventing Water Infiltration in Tunnels" International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 11, Issue 11, November-2023
- Neha Awate, Dr. M.R. Vaidya **"Bamboo as a Sustainable Construction Resource"** International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 11, Issue 11, November-2023
- Rajtanaya Jadhav, Dr. M. R. Vadiya **"Tunnel Operation Essentials: A Deep Dive"** International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 11, Issue 11, November-2023
- Rupali Abasaheb Dhkane, Dr. M. R. Vadiya **"Tunnel Hydrogeological Solution"** International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 11, Issue 11, November-2023
- Madhusudan R Vaidya, Dr. R. V. Shetkar "Utilization of Rice Husk Ash in Black Cotton Soil Improvement" International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 10, Issue 9, September-2022 pp. 712, Impact Factor: 7.429, Available online at: www.ijaresm.com IJARESM Publication
- Madhusudan R Vaidya, Dr. R. V. Shetkar, and Dr. G. R. Gandhe. "Pilot Study Project For Impact of Fly Ash on Properties of Expansive Soil" International Journal Of Advance Research And Innovative Ideas In Education, 2022, Volume 8 Issue 1, pp. 1093-1101
- M. R. Vaidya, Dr. H. H. Shinde "Comparative Study of Moorum and Stabilized Black Cotton Soil by 15% Addition of FA and RHA" International Journal of Innovative Research in Science, Engineering and Technology (A High Impact Factor, Monthly, Peer Reviewed Journal) Visit: www.ijirset.com Vol. 7, Issue 11, November 2018
- Vaidya Madhusudan Ramchandra and Dr. Harirang Haribhau Shinde. "Effects of Rice Husk Ash and Fly Ash on Index Properties of Black Cotton Soil" International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056, Volume: 05 Issue: 08 | Aug 2018.

#### **International Conferences**

- M. R. Vaidya "Study on Use of Rice Husk Ash and Fly Ash on Properties of Soil" International Colloquium Management, Engineering, Technology and Social Science, Pune, 28 March 2013
- M. R. Vaidya "Study on Use of Rice Husk Ash and Fly Ash on Properties of Soil" 2nd International Conference on Current Trends and Challenges in Management, Engineering, Computer Applications and Technology, Aurangabad, 23-24 March 2013
- M. R. Vaidya "Study on Effect of Rice Husk Ash and Fly Ash on Properties of Soil" International Conference on Management, Engineering, and Technology, Goa, 26-27 May 2012
- M. R. Vaidya "Study of Influence of Rice Husk Ash and Fly Ash on Properties of Soil" International Conference on Current Trends and Challenges in Management, Engineering, Computer Applications and Technology, Aurangabad, 23 25 March 2012

#### **AWARDS**

AWARDS		
Maharashtra State Level Shikshan Ratna Award	2019	
Karya Gaurav Puraskar	2018	
Indian Society of Technical Education (ISTE) Lifetime Membership (LM - 41111)		
CERTIFICATES		
<b>Trend Set 2024: Modern Civil Engineering Essentials</b> IGS Pune Chapter and American Concrete Institute (ACI) FDP	Oct 2024	
Next Gen. Civil Engineering: 2024 Insights IGS Pune Chapter and American Concrete Institute (ACI) FDP	Oct 2024	
Advancing Research & Innovation: Strategic Implementation of NEP, Autonomy and IPR Development IQAC One Week FDP	Sep 2024	
Tree Plantation Drive India Tourism Aurangabad	Aug 2024	
<b>Emerging Trends in Geotechnical Engineering For Structural Applications</b> Three Days FDP	May 2024	
<b>Strengthening Concrete through Waste Materials, Techniques and Design</b> One Week FDP	May 2024	
Inculcating Universal Human Values in Technical Education AICTE Training and Learning (ATAL) Academy 3-day Face-to-Face FDP	Jan 2024	
Inculcating Universal Human Values in Technical Education AICTE Training and Learning (ATAL) Academy 3-day Face-to-Face MDP	Jan 2024	
Innovation in Construction and Green Building Materials ICT online FDP Course	Aug 2023	
Innovations is Construction Materials and Practices ICT online FDP Course	Jun 2023	
Journey of Concrete from West to Best: Special Focus on Mix Proportioning of Geopolymer Concrete One Week STTP	Feb 2023	
Inculcating Universal Human Values in Technical Education- II Training	Feb 2023	
Importance of Soil Investigations and Non-Destructive Techniques Short Term Training Programme	Mar 2022	
Advances in Geotechnical Earthquake Engineering IGS Aurangabad Chapter & Soil Dynamics Forum, ISET One-Week Short Term Training Programme	Oct 2021	
Sustainable Waste Management AICTE-ISTE Approved One Week Faculty Development Program (FDP)	Oct 2021	
Condition Survey and NDT for RCC Structures Ultratech Webinar	Sep 2021	

Case Studies in Geotechnical Engineering IGS Aurangabad Chapter Webinar	Aug 2021
Advances in Geotechnical Engineering & Reliability of Structures IGS Aurangabad Chapter One-Week Short Term Training Programme	Aug 2021
Importance of Geotechnical Investigations for Civil Engg. Constructions IGS Aurangabad Chapter Webinar	Jun 2021
World Water Day Webinar by Institute of Engineers	Mar 2021
Waste Technology AICTE Training And Learning (ATAL) Academy Online FDP	Feb 2021
Real Estate Management AICTE Training And Learning (ATAL) Academy Online FDP	Feb 2021
Concrete Sustainability Ultratech Webinar	Feb 2021
Imbibing Ethics And Values In Higher Education 5-Day Online National Programme for the Faculty Members	Jan 2021
Inculcating Universal Human Values in Technical Education - I Training	Oct 2020
Sustainable Solutions to Challenges in Hill Infrastructure Workshop	Oct 2020
Concrete Technology and Sustainable construction Practices AICTE Training And Learning (ATAL) Academy Online FDP	Sep 2020
Construction Technology AICTE Training And Learning (ATAL) Academy Online FDP	Sep 2020
<b>Drone Surveying and Mapping via GIS</b> Online Webinar	Sep 2020
Career Opportunities in Transportation Engineering International Webinar	Sep 2020
Revised NAAC Framework Virtual FDP	Sep 2020
Author's Conclave Faculty Development Program	Aug 2020
Innovation and Upgradation in Infrastructural Technology Online Short Term Programme	Jun 2020
<b>Use of White Cement and Value Added Products in Cement Industry</b> Online Webinar	Jun 2020
Introduction of Accreditation Mechanism & NBA Approach National Level Faculty Development Programme	May 2020
Rockfall Hazard and Risk Assessment - A Case Study Online Webinar	May 2020

NBA - Key to Excellence Training	Jan 2020
Advances in geotechnical Engineering and Reliability of Structures IGS Aurangabad Chapter Workshop	Oct 2019
Outcome Based Accreditation Process & Parameters NBA Orientation Workshop	Jun 2017
Advance Technology for Energy Conservation and Sustainable Development Short Term Course	Jan 2017
Principles of Research Methods Workshop	Dec 2015
Efficient Assessment of Answerbook MSBTE Training Programme	Nov 2014
Online Examination System for Polytechnic MSBTE Sponsered One Day Workshop	Aug 2013
<b>2nd Semester Syllabus of G-Scheme</b> MSBTE Sponsered One Day Orientation Program	Dec 2012
<b>Engineering Optimization Techniques and its Application in Research</b> Short Term Training Program	Jan 2012
14th State Level Level ISTE Convention Maharashtra and Goa	Feb 2011
Advances in Irrigation Engineering Training	Dec 2010
SWRDAM-2008 National Conference	Jun 2008
Developing Basic Teaching & Training Competencies in Teachers of Engineering Colleges Two Week Staff Development Program	Dec 2004
CONFERENCE ORGANIZED	
<b>Ninth Indian Young Geotechnical Engineers Conference (9 IYGEC)</b> Short Term	Mar 2023
WEBINARS ORGANIZED	
Expert Talk by Er. Atul Nizam Short Term	Sep 2022
<b>Expert talk by Er.Ravindra Bansode</b> Short Term	Sep 2022

# **Work Profile (April 2020 – 2023):**

A dedicated Associate Professor of Engineering specializing in instructing courses related to the practical application of Civil Engineering principles. Possesses a strong aptitude for teaching subjects intertwined with real-world professional practices. Proficient in developing course materials and assignments, with expertise in efficiently evaluating and grading students.

- Convenor cultural event Kalavihangam– 2023
- Incharge of NEET Exam 2022
- Incharge of Sarthi UPSC CET Exam 2022
- Incharge of D.S.Y Admission Academic Year 21-22
- Co-ordinator of NSS BATU -2022
- Co-ordinator of BATU on-line theory exam 2021
- Incharge of G.S.M's Land Measurement Work

# Work Profile (July 2008 – March 2020):

I joined the institute (MIT-Rotegaon) as a Principal in July 2008, and during my tenure, I have witnessed a multitude of transformations that have greatly contributed to the overall development of the organization. These positive changes, which have elevated the status of MIT Rotegaon, are the direct result of unwavering support, motivation, and guidance from our esteemed Management, collaborative teamwork, and the collective contributions of all stakeholders. This includes our dedicated faculty members, supportive staff, committed students, engaged parents, and well-wishers.

I am delighted to have been a witness to these remarkable changes, adaptations, and the continuous growth of the Institute while serving as its Head. It has been both my pleasure and privilege to work in such a challenging environment and to experience the satisfaction that comes from overcoming these challenges.

I worked as a chairman for 53 Nos. of committees under the jurisdiction of MSBTE and also as a Governing body member for joint venture of MSEB and Govt. ITI Vaijapur

As the Head of the Institute, I would like to highlight various developmental factors that have materialized during my tenure at MIT Rotegaon.

#### A. Academics:

- Worked for creating conductive environment for Academics in the Institute which results in, not a single incidence of 'common off'.
- Setting target of 100% syllabus coverage, planning for it and at the end of each semester to have the complete revision of the total syllabus with counselling sessions for solving the difficulties, problems of the students.
- Conduction of 'Preliminary Examination' on the complete syllabus, which builts the confidence of students for facing the actual MSBTE Examination.
- Conduction of improvement tests, surprise tests, tests after each chapter had been encouraged so as to prepare the students for examinations.
- Improvement in the results. Notable fact is the result of final year which always was more than 90% for all courses every year. The first year results were very poor during the initial years which has been drastically improved during the last 5-6 years and are noted in the satisfactory zone.
- Students have creditable academic achievements during this period, many FY/ TY
  students achieved more than 90% marks in the MSBTE Exams, students are
  successful in getting cent-percent marks in various subjects on many occasions during
  this period.
- Keeping a good tradition of Excellent Results which ultimately helps in the development and growth of Institute.

#### **B.** Infrastructure:

- On this front a substantial development has been carried out on Infrastructural profile during the last 12 years. Some notable achievements are:
- A new G+3 building was constructed for Academic & Administrative discipline.
- Tree plantation at the campus has been done
- Compound wall for the Institute has been built.
- Institute Canteen and stores has been built.
- Huge workshop was constructed with equipped seven shops.
- Laying down paver blacks in the complete campus.

• Letting up a separate security cabin.

#### **C.** Academic Resource Development:

- A well equipped Computer Center with a capacity of 100 well connected systems.
- Setting up a development of well equipped 37 no. of laboratories, which as fulfilling the cent-percent criteria laid down by the MSBTE (Maharashtra State Board of Technical Education).
- The number of laboratories available at the time of my joining the Institute were only 03, today the Institute has 37 nos. of well equipped laboratories.
- Investment of the tune about Rs. 3 crores has been the creditable factor for the machinery / equipments / devices for the laboratory set up as per the standard criteria laid down by MSBTE and AICTE.
- Well equipped digital library with 10 systems for availing the E-resources for faculties & students.
- Library has been developed from 1200 books (in 2008) to 14,000 books (in 2020).
   Total 12,800 no. of books has been added in the library. E-magazines, E-journals have been added to strengthen our conventional library.
- Computerization of laboratory for better and effective utilization of library resources takes place.
- Total computers has been increased from 30 nos. (in 2008) to 320 nos. (in 2020) all over the campus.

#### D. Resources and Facilities:

- A dedicated 20 mbps lease line for providing uninterrupted Internet, which has been raised from earlier 2 mbps.
- Structured Networking for all the Computer Laboratories.
- Structured Networking for the Computer center.
- Close circuit for cameras for security purpose in the building and in the campus.
- R.O. systems implementations for providing good quality drinking water along with water coolers for the students and faculties.
- Canteen facility for students and faculties.
- Transportation facility for needy students.

- Implementation of AMS system for bringing effectiveness in students Information System.
- Computerization of Accounts system and finance system of the Institute.
- Gradual implementation of ERP system as per the guidelines from authorities.
- Bore well for the drinking water facility.
- Rainwater Harvesting for the improvement of the water table in and around the campus.
- Work for High Tension Electric line has been in the completion state, which will provide uninterrupted power supply in the campus.
- Back up facility for power supply through Generator set (64 KVA).
- Students co-operative store.
- Central stores for providing all necessary materials.
- Well equipped auditorium (with 200 capacity) has been developed.

#### **E.** MSBTE Facilities, Assignments:

- Examination centre with a very good rapport.
- RAC center has been allocated to Institute.
- FC (facilitation center) has been allocated.
- 'Career fair on wheels' has been allocated two times and has been successfully organized.
- Regular assignment of External Academic monitoring has been entrusted by MSBTE since 2008.
- Faculties are assigned with Exam / monitoring / Enquiry / staff recruitment / paper setting Activities by MSBTE.

#### F. Academic Practices and Achievements:

Excellent Grade to all the courses diving academic year 2018 - 19 by the Academic Monitoring committee of MSBTE, wherein the institute was having "Poor" grade in academic year 2007-08 which has been gradually improved from poor to satisfactory to good to very good a finally Institute has been graded "Excellent" for all the courses.

- Development of well equipped laboratories for all the courses which are as per the guidelines of AICTE and MSBTE. Total 34 nos. laboratories has been developed during last 12 years.
- Excellent Academic Results, which has been complimented by outstanding achievements by the exceptional students. One student finds a place in the Merit list of MSBTE which is a very creditable achievement for the Institute.
- Regular organization of :
  - a) Expert lectures.
  - b) Industrial visits.
  - c) Personality Development programs.
  - d) Co-curricular activities / competitions.
  - e) Seminars.
  - f) Workshops.

for the development of students.

- Students achieving more than 90% marks. in the MSBTE Examinations is a credential factor.
- Awards, prizes won by the students in the state level competitions.
- Industry based and Application oriented projects has been developed by the students every year. Very innovative projects which has social utility are to the credit of our Institute during last 12 years.
- Motivation for sponsored projects by students.
- Organization of events / activities / functions / competitions through students organization.
- Implementation of Book bank facility for all students.
- Development of Departmental Libraries in each department.

#### **G.** Training and Placement Achievements:

- Set up an very active TP cell in the Institute.
- Provided training facility to the students for their vacational training.
- Staff training through MSBTE organized & Industry organized faculty development programs.
- About 100% placement of students through campus Interviews. Prominent Recruiters:

- a) John Deere.
- b) Videocon.
- c) Dhoot transmission.
- d) Skoda motors.
- e) Sterlite Industries.

#### **H. Prominent Credits:**

- Excellent staff stability.
- Very good admission status in every academic year (more than 80% admissions in last 4 years, where in the state is witnessing only avg. 50% admissions of the total intake overall).
- Very conductive academic environment.
- Excellent outcomes in the Extra-curricular activities for the students in the MSBTE organized IEDSSA sports every year. Many students reached at the state level in events like wrestling, chess, carrom.
- Excellent Academic Results.
- Wholehearted support from the respected management.
- Excellent rapport with MSBTE / DTE/ RBTE.
- Total investment of the amount approx 20 crores has been done by the respected management during this period for strengthening Infrastructure, facilities, resources, machineries, equipments over the campus.
- An activity conductive environment has been developed on the campus for the overall development of each & every student of MIT Rotegaon.
- Active Alumni Association through which various Institutional complementary activities a social activities are carried out. Prominent of them was the 'Smart Village Project - Ballali Sagaj 'by our Alumni.
- Institutional Infrastructure a facilities are regularly provided for conducting training programs of Teachers (through DIET), Police, Lawyers /Advocates.
- Medical Check-up facility is provided not only for the students but also for the parents. Blood Donation camp is organized every year.
- Regular interactions with parents by organizing Parent Meet twice in a year.

# **Work Profile (February 2001 – June 2008):**

In February 2001, I became a part of the esteemed MIT Group of Institutions as a Lecturer in the Civil Engineering department. Over the course of a decade, my journey has been defined by a deep commitment to fostering student engagement and facilitating their academic growth.

With over ten years of experience, I have dedicated myself to supporting students in their educational pursuits within the field of civil-construction engineering. My approach is marked by a unique blend of creativity and passion, which I bring to every aspect of my professional development. My goal is to continually enhance the learning experience and contribute meaningfully to the world of civil engineering education..

#### **Co-Curricular Activities**

- Member for First year, Direct Second year Admission Committee.
- Member of Felicitation Committee.
- Staff co-ordinator for 1<sup>st</sup> student council of MIT.
- Orientation work of Cricket Pitch at 'Aurangabad District Cricket Association Ground' (for International Cricket Match (Ladies), India v/s New Zealand)
- Departmental Time Table In charge.
- Departmental Member for NBA Up gradation.
- Parent Teacher for Second year, Third year Civil.
- Help to establish two new unit of Computer Cell (NIIT, Ebits)
- Member for Techno millennium 2002, 2003, 2004, 2005,2007
- Joint Secretary for Techno millennium 2006
- Visit to Bangalore for stabilized mud block processing work.
- Organizing member for Youth Festival 2005.
- Office bearer for social gathering at MIT.
- Internal auditor for ISO work.
- Internal auditor for NBA work.
- Committee Incharge for "Carrier Fair" at Aurangabad & Latur.
- Convenor Social gathering Kshitij 2008.
- Officer Incharge for SBI & Bank of Maharashtra Exam.

- Member of Hospitality Committee for 'Inspection visit of N.B.A. 2005 & 2008.
- Vigilance squad Incharge. Member for MSCIT Exam 08-09

### **Infrastructure Development:**

- Drafting Tender for painting work at MIT main building.
- Negotiation, Execution & Billing for painting work at MIT main building.
- Execution and Billing for painting work at Ladies Hostel, at MIT.
- Construction and maintenance work at Board Room and Principal Cabin, at MIT main building.
- Renovation of Main Seminar Hall at MIT main building.
- Construction work at Workshop extension building.
- Plumbing and drainage maintenance at MIT main building.
- Plumbing and drainage maintenance at MIT Ladies Hostel.
- Painting and maintenance at MIT Boys Hostel.
- All Civil Construction and repairing work (related to other branches) at MIT campus.
- Construction, execution and billing of Landscape at MIT main building
- Proposal for landscape of Central courtyard MIT.
- Seminar Hall for Computer Department at MIT main building.
- Construction of Computer Lab of Computer Dept. at MIT main building.
- Civil work at Polytechnic Computer Lab.
- Repairing of staff quarter at MIT campus.
- Issue counter at main stores MIT.
- Closing corridor at MIT main building.
- Barbed wire fencing at MIT campus.
- Flooring and coloring of watchmen's cabin.
- Painting to compound wall at MIT campus.
- Outside murum flooring works at Director's residence.
- Marking and excavation trench for lying of electric cable from main building to Boys Hostel.
- Proposal for painting old MCVC building.
- Construction work at MIT N-4 school.

- Compound wall and plastering work at MIT School N-4 CIDCO.
- Painting and construction maintenance work at MIT Hospital.
- All works related to CIDCO Office.
- Work related to Land Measurement.
- Supervision for construction and billing of compound wall at Satara Parisar.
- Board room at MIT, N-4.
- Science Laboratory at MIT, N-4.
- Proposal for Computer Laboratory at MIT School N-4, CIDCO.
- Preparation of Play ground at MIT campus.
- Name plate for MIT campus.
- Preparation of Play ground at MIT, N-4.
- Proposal for lawn tennis ground at MIT N-4, CIDCO.
- Proposal for lawn tennis ground at MIT.
- Construction of Canteen, barbed wire fencing, Watchman cabin at MIT, N-4.
- Construction, execution & billing of MIT (T) building.
- Construction of MIT Auditorium.
- Supervision & billing work of MIT Boys Hostel.
- Drainage work for MIT campus.
- Maintenance and renovation work of MIT Boys Hostel (old) Mess
- Construction, supervision on billing work of MIT Boys hostel (new).
- Construction work at Fativabad.
- Survey work at Nath Mandir campus, Pathan.

## Dr. Madhusudan R. Vaidya



# ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Mr. Madhusudan Vaidya from Maharashtra Institute of Technology, Aurangabad has participated and successfully completed the 5-day Face-to-Face UHV-II FDP organized by All India Council for Technical Education (AICTE) at Maharashtra Institute of Technology, Aurangabad from 6th February to 10th February 2023.

J. W337

Dr. Rajneesh Arora Chairman

**National Coordination Committee for Induction Program** 

Prof. Rajive Kumar Member Secretary, AICTE



# **ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**

NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

# Certificate of Participation

This is to certify that Mr. Madhusudan Vaidya from MIT Engineering College, Auranagabad has participated and successfully completed the online workshop on Universal Human Value on the theme "Inculcating Universal Human Values in Technical Education" during 12-16 October, 2020 as organized by All India Council for Technical Education(AICTE).

J. W33/

Dr. Rajneesh Arora Chairman National Coordination Committee for Induction Program Prof. Rajive Kumar Member Secretary, AICTE



## SRM INSTITUTE OF SCIENCE & TECHNOLOGY

Bharathi Salai, Ramapuram, Chennai-600089.



# **Certificate of Participation**



This is to certify that Mr.VAIDYA MADHUSUDAN has participated in Faculty Development Program "Author's Conclave" organized by the Department of Civil Engineering, SRM Institute of Science & Technology, Ramapuram, Chennai-89, from 11<sup>th</sup> to 17<sup>th</sup> August 2020.

DRIO6I-CE000280

Dr.T.Ch.Madhavi
Convenor & HOD/Civil

Dr.G.Selvakumar Dean (E&T)



# JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY

AGRA-BOMBAY ROAD, RAGHOGARH (POST), GUNA (DISTRICT).
MADHYA PRADESH, INDIA-PIN: 473226- WWW.JUET.AC.IN



# CERTIFICATE OF PARTICIPATION

This is to certify that Prof. Madhusudan Vaidya has participated in the live International Webinar on "Career Opportunities in Transportation Engineering" organized by the Department of Civil Engineering, JUET-GUNA held on 19th September 2020.

Mr. AbhinavKumar Manager, RITES

**NEW Delhi** 

Dr. V.S.Babu Assistant Professor

**JUET-GUNA** 

Dr. Sumit Gandhi

HOD (CE)

**JUET-GUNA** 







## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

## **AICTE Training And Learning (ATAL) Academy**

# **Certificate**

This is certified that MADHUSUDAN VAIDYA, Associate Professor of M.I.T. Engineering College, Aurangabad participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Concrete Technology and Sustainable construction Practices" from 2020-9-21 to 2020-9-25 at Government Engineering College, Dahod.



**Director ATAL Academies** 





Coordinator







#### ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

## **AICTE Training And Learning (ATAL) Academy**

# **Certificate**

This is certified that MADHUSUDAN VAIDYA, Associate Professor of M.I.T. Engineering College, Aurangabad participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Construction Technology" from 2020-9-7 to 2020-9-11 at Rajiv Gandhi University of Knowledge Technologies (RGUKT).

Mundasone

**Director ATAL Academies** 





Coordinator



# JAYPEE UNIVERSITY OF ENGINEERING AND TECHNOLOGY, GUNA

# **Certificate of Participation**

THIS IS TO CERTIFY THAT

# Mr. Madhusudan Vaidya

has attended the webinar on Drone Surveying and Mapping via GIS software on 12th September 2020.

MR. ROHIT GUPTA

CEO, RR ENGINEERING INDORE

DR.SUMIT GANDHI

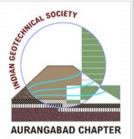
HOD, CE JUET, GUNA MR.Y.I.MURTHY

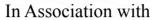
ASSISTANT PROFESSOR, CE JUET, GUNA

# MIT Quest for Excellence

### G.S. Mandal's

# Marathwada Institute of Technology, Aurangabad & Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad Civil Engineering Department







# IGS Aurangabad Chapter & Soil Dynamics Forum, ISET

One-Week Short Term Training Programme on





# **CERTIFICATE**

This is to certify that Dr./Mr./ Mrs./ Ms. Madhusudan Vaidya has participated in the one-week online Short Term Training Programme on "Advances in Geotechnical Earthquake Engineering" conducted by Marathwada Institute of Technology, Aurangabad, during 25<sup>th</sup> - 29<sup>th</sup> October 2021.

Dr. Manish S. Dixit HCED & Secretary, IGS Aurangabad Chapter

Dr. Nilesh. G. Patil Director, MIT, Aurangabad



GS Mandal's

# MARATHWADA INSTITUTE OF TECHNOLOGY, AURANGABAD **CIVIL ENGINEERING DEPARTMENT**

In Association With

# IGS AURANGABAD CHAPTER

One-Week Short Term Training Programme On



# "Advances in Geotechnical Engineering & Reliability of Structures"

# **CERTIFICATE**

This is to certify that Dr./Mr./ Mrs./ Ms. Madhusudan Vaidya has participated in the one-week online Short Term Training Programme on "Advances in Geotechnical Engineering & Reliability of Structures". Conducted by Marathwada Institute of Technology, Aurangabad, during 23<sup>rd</sup> - 27<sup>th</sup> August 2021.

Dr. Manish S. Dixit

**HCED & Secretary**, **IGS Aurangabad Chapter** 

Dr. Nilesh, G. Patil Director, MIT, Aurangabad



# MARATHWADA INSTITUTE OF TECHNOLOGY, AURANGABAD

# AURANGABAD CHAPT

# CIVIL ENGINEERING DEPARTMENT

IN ASSOCIATION WITH

#### IGS AURANGABAD CHAPTER

"Case Studies in Geotechnical Engineering"

# e-Certificate

This is to certify that

Mr./ Mrs./ Ms. Madhusudan Ramchandra Vaidya has attended the webinar held on 7<sup>th</sup> August 2021.

Admit

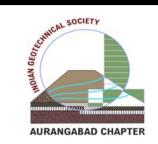
Dr. Manish S. Dixit HCED & Secretary, IGS Aurangabad Chapter geatif

Dr. N. G. Patil Principal, MIT, Aurangabad



# MARATHWADA INSTITUTE OF TECHNOLOGY, AURANGABAD

# **CIVIL ENGINEERING DEPARTMENT**



IN ASSOCIATION WITH

#### IGS AURANGABAD CHAPTER

HAS ORGANIZED A WEBINAR ON

"Importance of Geotechnical Investigations for Civil Engg.

Constructions"

# e-Certificate

This is to certify that

Mr./ Mrs./ Ms. Madhusudan Vaidya

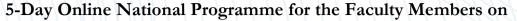
has

attended the webinar held on 12<sup>th</sup> June 2021.

Admit

geatif

Dr. Manish S. Dixit HCED & Secretary, IGS Aurangabad Chapter Dr. N. G. Patil Principal, MIT, Aurangabad



## "IMBIBING ETHICS AND VALUES IN HIGHER EDUCATION"

Sponsored by TEQIP III and Conducted by

Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, in Association with the Bahá'í Academy, Panchgani and Himachal Pradesh Technical University, Hamirpur, Dr. A. P. J. Abdul Kalam Technical University, Lucknow and Uttarakhand Technical University, Dehradun (13-17 Jan., 2021)





This is to certify that **MR. MADHUSUDAN RAMCHANDRA VAIDYA**, Roll No.: **7044** of Marathwada Institute of Technology, Aurangabad,

has successfully attended and fulfilled the requirements of this 5-Day Online National Programme for the Faculty Members on "Imbibing Ethics And Values In Higher Education".

Transcript about submissions and tasks done by the candidate will be issued on request.





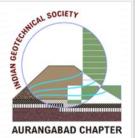
Dr. S. B. Deosarkar

Institute Project Director, TEQIP III, Dr. Babasaheb Ambedkar Technological University, Lonere Lesan Azadi Director Bahá'í Academy, Panchgani Dated: 17 Jan. 2021



### G.S. Mandal's

# Marathwada Institute of Technology, Aurangabad & Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad Civil Engineering Department





In Association with

# **IGS Aurangabad Chapter**

One-Week Short Term Training Programme on

"Importance of Soil Investigations and Non-Destructive Techniques"

# **CERTIFICATE**

This is to certify that Dr./Mr./ Mrs./ Ms. Madhusudan Vaidya

has participated in the one-week online Short Term Training Programme on "Importance of Soil Investigations and Non-Destructive Techniques" conducted by Marathwada Institute of Technology, Aurangabad, during 8<sup>th</sup> - 12<sup>th</sup> March 2022.

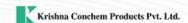
Dr. Manish S. Dixit HCED & Secretary,

**IGS Aurangabad Chapter** 

Dr. Nilesh. G. Patil Director, MIT, Aurangabad













# CERTIFICATE

of participation

THIS CERTIFICATE IS PROUDLY PRESENTED FOR HONORABLE ACHIEVEMENT TO

# Madhusudan Vaidya

has participated in Online Short Term Program on "Innovation and Upgradation in Infrastructural Technology" organized by The Department of Civil Engineering, TEC in Association with ASTR, Krishna Conchem Products, Rachana Enterprises and Student Chapter ICACI & IEI from 27<sup>th</sup> May to 02<sup>nd</sup> June 2020

Dr. Gopal Rai Hon. Secretary, ASTR Dr. Madan K. Kamat MD, Krishna Conchem Products Pvt. Ltd.

Municipal

Dr. Priyanka Salunkhe HoD, Civil Department

dunble

Dr. L.K. Ragha Principal, TEC

1



JALANDHAR, PUNJAB

JALANDHAR, PUNJAB

Department of Civil Engineering

Department of Civil Engineering



Certificate of Participation

THE FOLLOWING CERTIFICATE IS GIVEN TO

# **MADHUSUDAN VAIDYA**

for having attended the **Online Short Term Course on** 'Innovations in Construction Materials and Practices' June 26, 2023 - June 30, 2023



Dr. H S Chore

Convener

Prof. A K Agnihotri

**Head of Department** 

Sr. No. 2023401172













# **Faculty Development Programme**

## INTRODUCTION OF ACCREDITATION MECHANISM & NBA APPROACH

Organized by

# Padm. Dr. V. B. Kolte College of Engineering,

Malkapur, Dist - Buldana (M.S.), India-443101

Email: coemalkapur@rediffmail.com, Website: www.coemalkapur.ac.in, Ph.No. (07267) 295037 Approved by AICTE-New Delhi, Govt. of Maharashtra, DTE-Mumbai & affiliated to S.G.B. Amravati University & MSBTE-Mumbai

#### In Association With

Indian Society For Technical Education, New Delhi Institution of Engineers (India), Aurangabad L. C. Lewa Chamber of Commerce, Industries & Agriculture, Pune



This Certificate is hereby awarded to

# Madhusudan Vaidya

of M.I.T Engineering College Aurangabad for participating in the National Level Faculty Development Programme on "Introduction of Accreditation Mechanism & NBA Approach", organized by Internal Quality Assurance Cell, Padm. Dr. V. B. Kolte College of Engineering, Malkapur (M.S.), India.

From 11th May to 15th May 2020

National Executive Council Member ISTE, New Delhi

Chief Co-ordinator

Ravindra Chaudhari President LCCIA, Pune

President, ISTE L. C. VBKCOE, Malkapur

Dr. A. W. Kharche Principal

VBKCOE, Malkapur







## **CERTIFICATE OF ATTENDANCE**

#### **AWARDED TO**

# Madhusudan Vaidya

for attending the workshop on 'Sustainable Solutions to Challenges in Hill Infrastructure' on 30–31 October 2020.

DR. Krishnamurthy

Professor - PG Studies (RASTA) MS, MINIMOL KORULLA

Regional Head Strategic Initiatives & Projects (Maccaferri)







#### ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

# **AICTE Training And Learning (ATAL) Academy**

# **Certificate**

This is certified that MADHUSUDAN VAIDYA, Associate Professor of M.I.T. Engineering College, Aurangabad participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Real Estate Management" from 2021-2-8 to 2021-2-12 at Chh.Shahu Institute Of Business Education & Research.

Meurinsone

**Director ATAL Academies** 



Consulta

Coordinator



# Certificate

SI. No 7

This is to certify that Madhusudan Vaidya has participated in the 6 day

virtual FDP on Revised NAAC Framework, held between 21st to 26th

September 2020

Dr. V Padmaja

**Head Training and MDP** 

S-Padj-

Dr. H Muralidharan

Dean

# SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT, NAGPUR



IN ASSOCIATION WITH IGS NAGPUR CHAPTER

HAS ORGANISED

Webinar on

# ROCKFALL HAZARD AND RISK ASSESSMENT - A CASE STUDY e-CERTIFICATE

This is to certify that

#### MADHUSUDAN VAIDYA

Has attended online webinar

HELD ON 16TH MAY 2020

Dr. P.D.Pachpor H.O.D, Civil Engg.

Dr. P. P. Dahale Honorary secretary, IGS, Nagpur chapter







# Dr. D Y Patil Pratishthan's

# DR. D. Y. PATIL INSTITUTE OF ENGINEERING, MANAGEMENT & RESEARCH, AKURDI, PUNE- 44

# CERTIFICATE

This is to Certify that Mr. Madhusudan Vaidya have participated in AICTE-ISTE Approved One Week Faculty Development Program (FDP) on "Sustainable Waste Management" from 18<sup>th</sup> October 2021 to 22<sup>nd</sup> October 2021 organized by Civil Engineering Department & Chemical Engineering Department.

**Prof. Amruta Kulkarni** 

**HOD Civil Engineering** 

Dr. Shailesh Ghodke

**HOD Chemical Engineering** 

Dr. Mrs. A. V. Patil Principal Incredible to he





# INDIATOURISM AURANGABAD

(MINISTRY OF TOURISM, GOVERNMENT OF INDIA)

# Certificate of Participation





DR M.R VAIDYA



of MIT ENGINEERING COLLEGE AURANGABAD

for participating in the

TREE PLANTATION DRIVE # LK PED. MAR KE NAAN

Organized by this office on 31st AUGUST, 2024

Date 06/09/2024

Assistant Director Indiatourism, Aurangabad

# CERTIFICATE PROUDLY PRESENTED TO

Madhusudan Vaidya

Concrete Sustainability

Feb 13, 2021

UltraTech Cement Ltd.

Date of Completion

Organizer



# CERTIFICATE PROUDLY PRESENTED TO

Madhusudan Vaidya

Condition Survey and NDT for RCC structures

Sep 18, 2021

UltraTech Cement Ltd.

Date of Completion

Organizer





## **JSPM Narhe Technical Campus, Narhe, Pune**

**Department of Civil Engineering** 



### **CERTIFICATE**

This is to certify that,

Madhusudan Vaidya

Of

MIT Engineering College, Aurangabad



Participated in online webinar on,

"Use of White Cement and Value Added Products in Cement Industry"

Conducted by JSPM Narhe Technical Campus, Narhe, Pune in Association with **JK Cement Limited** on date **22nd June**, **2020**.

22/06/202

Er. Samitinjay S. Bansode Coordinator,

**JSPM NTC** 

Er. Umesh Udavant Coordinator,

**JK Cement** 

Dr. S. A. Choudhari HOD

Civil Engineering

ME

Dr. R. K. Lad
Director
JSPM NTC







#### ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

#### **AICTE Training And Learning (ATAL) Academy**

# **Certificate**

This is certified that MADHUSUDAN VAIDYA, Associate Professor of M.I.T. Engineering College, Aurangabad participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Waste Technology" from 2021-2-24 to 2021-2-28 at Z. H. College of Engineering & Technology.

**Director ATAL Academies** 



Coordinator



# The Institution of Engineers (India) Aurangabad Local Centre

MIT Quest for Excelence



in association with

#### Maharashtra Institute of Technology Aurangabad

#### Certificate of Participation

#### Madhusudan Vaidya

has successfully participated in an online webinar on occasion of "**World Water Day**" organized by Civil Engineering Department, Maharashtra Institute of Technology Aurangabad and The Institution of Engineers (India) Aurangabad Local Centre on March 22, 2021

Prof. S.B. Mundhe

Hon. Secretary The I E (I) Aurangabad L.C. Dr. Uttam Kalwane

Head, Civil Engg MIT Aurangabad Dr. D.C. Gour

Chairman

The I E (I) Aurangabad L.C.

Dr. Santosh Bhosle

Principal MIT Aurangabad

Made for free with Certify'em



# Maratha Vidya Prasarak Samaj's Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering Nashik







An Autonomous Institute Affiliated to Savitribai Phule Pune University, Pune

STRONG EDUCATIONAL FOUNDATION TO ADVANCE YOUR CAREER

# **CERTIFICATE**

This is to certify that,

Dr. Vaidya Madhusudan Ramchandra

From Maharashtra Institute of Technology Has Successfully Completed

One Week Online Faculty Development Program on

"Advancing Research & Innovation : Strategic Implementation of NEP, Autonomy

and IPR Development"

(3<sup>rd</sup> September to 7<sup>th</sup> September 2024)

organized by

Department of Civil Engineering,

in association with Internal Quality Assurance Cell (IQAC)

Satts:

Dr. K. T. Patil Coordinator Dr. P. D. Nemade Head, Civil Engineering

Dr. V. M. Birari Vice-Principal

Dr. S. R. Devane

Principal



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Dr. Madhusudan Vaidya from Maharashtra Institute of Technology, Chhatrapati Sambhajinagar has participated and successfully completed the 3-day Face-to-Face FDP on the theme

"Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical

Education (AICTE) at Maharashtra Institute of Technology, Chatrapati Sambhajinagar from 15th January to 17th January 2024.

J. m33)

Dr. Rajneesh Arora Chairman National Coordination Committee for Induction Program Prof. Rajive Kumar Member Secretary, AICTE



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Dr. Madhusudan Vaidya from Maharashtra Institute of Technology, Chhatrapati

Sambhajinagar has participated and successfully completed the 3-day Face-to-Face MDP on the theme

"Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical

Education (AICTE) at Maharashtra Institute of Technology, Chatrapati Sambhajinagar from 15th January to 17th January 2024.

J. W337

Dr. Rajneesh Arora Chairman

**National Coordination Committee for Induction Program** 

Prof. Rajive Kumar Member Secretary, AICTE

#### PCET'S



# Pimpri Chinchwad College of Engineering and Research, Ravet, Pune

#### DEPARTMENT OF CIVIL ENGINEERING





## **CERTIFICATE**

THIS IS TO CERTIFY THAT

Dr. Madhusudan R. Vaidya

OF

Maharashtra Institute of Technology, Aurangabad

has attended 5 days Online Faculty Development Program on

"Next Gen. Civil Engineering: 2024 Insights"

approved by

Indian Geotechnical Society (IGS)-Pune Chapter

and

American Concrete Institute (ACI)

from 30<sup>th</sup> September to 4<sup>th</sup> October, 2024

organized by the

Department of Civil Engineering,

PCET's, Pimpri Chinchwad College of Engineering & Research (PCCOER), Ravet, Pune.

DR. SUDARSHAN S. BOBADE

HOD, DEPARTMENT OF CIVIL ENGG

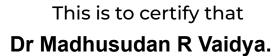
PROF. DR. HARISH U. TIWARI
PRINCIPAL, PCCOER



# Sanjivani Rural Education Society's SANJIVANI COLLEGE OF ENGINEERING, KOPARGAON (AN AUTONOMOUS INSTITUTE, AFFILIATED TO SPPU PUNE)









#### Maharashtra Institute of Technology, Chatrapati Sambhaji Nagar

has participated in the One Week Faculty Development Program on

"Strengthening Concrete through Waste Materials, Techniques and Design"

It was Jointly organized by Department of Civil Engineering (Accredited by NBA, New Delhi), Sanjivani College of Engineering In Association with

The Institution of Engineers (I), Ferrocement Society of India & Jalvardhini Pratishthan, Mumbai. from 2nd May to 4th May 2024 (Online Mode), 6th & 7th May 2024 (Physical Mode)

Dr. S.V. Patankar Co-Ordinator

Dr. C.L. Jejurkar HOD, Civil Dept Dr. A.G. Thakur Director, SCOE

Certificate ID: AZVUFI-CE000021

Made for free with Certify'em



#### PCET'S

### Pimpri Chinchwad College of Engineering and Research,

Ravet, Pune

#### DEPARTMENT OF CIVIL ENGINEERING





# **CERTIFICATE**

THIS IS TO CERTIFY THAT

Dr. Madhusudan R. Vaidya

**OF** 



Maharashtra Institute of Technology, Chhatrapati Sambhaji Nagar (Aurangabad)

has attended 5 days Online Faculty Development Program on

"Trend Set 2024: Modern Civil Engineering Essentials"

approved by

Indian Geotechnical Society (IGS)-Pune Chapter

and

American Concrete Institute (ACI)

from 21st October to 25th October 2024

organized by the

Department of Civil Engineering,

PCET's, Pimpri Chinchwad College of Engineering & Research (PCCOER), Ravet, Pune.

DR. SUDARSHAN S. BOBADE

HOD, DEPARTMENT OF CIVIL ENGG

PROF. DR. HARISH U. TIWARI
PRINCIPAL, PCCOER



(An Autonomous Institute)

ANJIVANI Affiliated to Savitribai Phule Pune University, Accredited 'A' Grade by NAAC, Accredited by NBA, Approved by AICTE, Kopargaon, Ahmednagar Dst, Maharashtra, 423603.

# CERTIFICATE OF PARTICIPATION

This is to certified that, Dr. Madhusudan R. Vaidya, MIT Chhatrapati Sambhajinagar has participated in the Three Days Faculty Development Program on "Emerging Trends in Geotechnical Engineering For Structural Applications" through an online mode organized by the Department of Structural Engineering, Sanjivani College of Engineering, Kopargaon, Maharashtra from 09th May to 11th May, 2024.

Dr. V. Vignesh

2 scord

Coordinator

Dr. A.S. Sayyad

Head of the Department

Dr. A.G. Thakur

Director