



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

An Autonomous Institute Affiliated to Savitribai Phule Pune University
Approved by AICTE, New Delhi and Recognised by Govt. of Maharashtra
Accredited by NAAC with "A+" Grade | NBA - 7 UG Programmes



Department of Civil Engineering

Faculty Profile

Dr. (Mrs) Vidya Nitin Patil

Ph.D (Civil Engineering)

Professor Civil Engineering

Dean, Innovation, Incubation & Entrepreneurship

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Research Areas / Areas of Interest

- ❖ Geotechnical Engineering,
- ❖ Construction management,
- ❖ Innovation,
- ❖ Startup

Personal Details

Date of Birth : 18/05/1975

Domicile: Maharashtra

Gender : Female

Blood Group: A+ve

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Geotechnical Engineering	Mumbai University		2016
2	M E : Civil Engineering	Construction management	Pune University	First Class	2008
3	B E : Civil Engineering	Advanced Structural Design	Shivaji University	First Class	2000
4	Diploma in Civil Engineering	Water resource Engineering	Government Polytechnic Kolhapur	First Class	1996

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	26	
2	Research	12	
3	Industry	2	
4.	Others	--	--
Total		27	

Subjects / Courses Taught

S. No.	Subject	UG/ PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Engineering Mechanics	UG	FE	18
2	Basic Civil and Environmental Engineering	UG	FE	18
3	Structural Design & Drawing III	UG	BE	03
4	Dams & Hydraulic Structure	UG	BE	01
5	Hydrology and water resources Engineering	UG	TE	01
6	Project Management & Engineering Economics	UG	TE	01
7	Foundation Engineering	UG	TE	01
8	Engineering Economics & Financial Management	UG	TE	02
9	Remote sensing & Geographic Information System	UG	TE	01
10	Project Management	UG	SE	01
11	Financial Management for Construction Project	PG	M Tech (Construction Management)	01
12	Research Methodology & Intellectual Property Right	PG	M Tech (Construction Management / Structural Engineering)	01
13	Financial Management	UG	SE	01

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	2	20		10	12
Conferences	17	20	-	02	--

➤ A) Journal paper publications

1. Tejas Bhate, Suyash Hariom, Vidya Patil, Ayush Rajput, **Mass Damping of Structures with TMD, Indian Journal of Technical Education, Volume 48 Special Issue • No. 1 July 2025, 10 to 15.**
2. Atul Ayare, Ashok More, Vidya Patil, **Quantifying the Carbon Footprint of Real Estate and Infrastructural Development in India, Indian Journal of Technical Education, Volume 48 Special Issue • No. 1 July 2025, Pp. 348 to 354.**
3. Rutesh S. Shivsharan, Ayush G. Rajput, Shubham S. Shirgave, Vidya N. Patil, **Application of Graphene Based Concreting in Developing Sustainable Road Infrastructure, , Indian Journal of Technical Education, Volume 48 Special Issue • No. 1 July 2025, Pp. 16 to 20.**
4. Pradnya Baraskar, Rajeshri Itkarkar, Vidya Patil, Water Loss Prevention Solar Power Grid, **Indian Journal of Technical Education, Volume 48 Special Issue • No. 1 July 2025, Pp. 315 to 320.**
5. **U. D. Butkar¹, D. M. Ualambkar, R. R. Itkarkar, V.N. Patil, AI-Human Co-Evolution: Feedback Loop Design, Organizational Innovation, Ethical Considerations, and Workforce Dynamics, Nanotechnology perceptions, Vol.20, No.5 (2024)**
6. **D. M. Ualambkar, R. R. Itkarkar, V.N. Patil, S. M. Karve,** Automated Detection of Lower-Grade Gliomas Using Deep Learning with UNet and EfficientNet-B7, *Journal of Information Systems Engineering and Management*, Vol. 10 No. 33s (2025).
7. **V.N. Patil,** Ritesh Ingawale, Vishwajeet Deshmukh, Shubhankar Purandare, Sampat Gore, (2023) Flood Assessment of Western Maharashtra Region using QGIS, *International Journal of Technical education*, Vol. 46, July 2023.
8. **V.N. Patil,** Ritik Shinde, Tejas Bang, B A Patil, R R Itkarkar (2023) Creation of Geographical Information System using Global Positioning System Data, *International Journal of Technical education*, Vol. 46, July 2023.
9. **V.N. Patil,** Atharv Harpale, Mokshada Bhagat, P G Mushrif (Joshi), R R Itkarkar (2023) M-Sand Wash Plant, *International Journal of Technical education*, Vol. 46, July 2023.
10. **V.N. Patil, H.S.Chore and V.A.Sawant (2021) Bearing Capacity of Reinforced Embankment Slope Models of Fly Ash and Furnace Slag, Transportation Infrastructure Geotechnology, 33 (1), 1-28.**
11. **V.N. Patil, H.S.Chore and V.A.Sawant (2020) Numerical analysis of reinforced embankment slopes made up of pozzolanic waste materials, International Journal of Geo-Engineering 11 (1), 1-25.**
12. **V.N. Patil and H.S.Chore: (2016): “Bearing capacity behaviour of a strip footing on model slopes made up of fly ash and furnace slag”, International Journal of Geotechnical Engineering , Taylor and Francis Publication , Vol. 11(5) pp. 431-440.**
13. **V.N. Patil And Ms. Moholkar (2019), Productivity Analysis Of Building Construction Using Mivan Formwork, International Journal Of Innovative Research In Technology , 2019, 6(1) pp. 45-48.**

14. **V.N. Patil, Tanuja Dhope, Rajneesh Tyagi, Veeramani Vijaya Raghavan, Tarun K. Sharma, Usha C. Pawar**, “Facial Recognition with the Super Pixel Entropy Estimation with the Virtual Assistance System “, International Journal Of Intelligent Systems And Applications In Engineering, VOL. 10 NO. 2S (2022).
15. **V.N. Patil, Priyanka Shivankar, P R Modak**, (2020) “Heavy Metal Removal by using Different Agricultural Waste Adsorbents” in Test Engineering & Management journal in March/April 2020.
16. **V.N. Patil, Kalyani Chavane, Pradnya Khatpe, Samkit Chhajed** (2020) “Automatic Equal Quantity and Quality Water Distribution” in Test Engineering & Management journal in March/April 2020.
17. **V.N. Patil, A R Lambor And R B Lambor** (2018) Alternative Vaporized Gasoline Fuel, Journal of Advances and Scholarly Researches in Allied Education, 15 (1), April 2018
18. **V.N. Patil, Gaurav Dudhe**(2018) Crack Detection for Civil Engineering Structures, Journal of Advances and Scholarly Researches in Allied Education), 15(12) Dec. 2018.
19. **Dr. Vidya Nitin Patil and Kalyani Chavane** (2017) published a research paper Life Cycle Assessment towards Environment Friendly Building, Journal of Advances and Scholarly Researches in Allied Education, 14(1) Oct 2017.
20. **V.N. Patil And H.S.Chore**: (2016): “Bearing Capacity Of Embedded Strip Footing On Geogrid-Reinforced Fly Ash Emabnkment”, Open Journal Of Civil Engineering (Scientific Research Publishing),Vol. 6, Pp 179-187.
21. **N. W. Ingole And V.N. Patil** (2013): Cadmium Removal From Aqueous Solution By Modified Low Cost Adsorbent(S): A State Of The Art” Is Published In International Journal Of Civil, Structural, Environmental And Infrastructure Engineering Research And Development (Ijceierd). Issn 2249-6866 Vol. 3, Issue 4, Oct 2013, 17-26.
22. **V.N. Patil** (2012): “Economic Evaluation: Life Cycle Of The National Games Road” Is Published In “International Journal Of Engineering Science And Technology”. Issn : 0975-5462, Vol. 4 No.03 March 2012, 1145-1152.

➤ B) Chapters published in Proceeding/ Journal

Chapters published in Proceeding/ journal

S.No	Title	Author's Name	Publisher	Year of Publ
1	Bearing Capacity of Geocell Reinforced Model Fly Ash Slope	Dr. Patil V N , Dr. Chore H S, Dr. Sawant V A	Springer (Proceedings of Indian Geotechnical and Geoenvironmental Engineering Conference	2022 ISBN (978-981-19-4738-4, 523054_1)
2	Plaxis 2D Numerical Analysis of Encased Stone Column in Soft Clay	Sanket Medhekar, Dr. Patil V N , Dr. Chore H S, Dr. Sawant V A	Springer (Proceedings of Indian Geotechnical and Geoenvironmental Engineering Conference ,	2022 ISBN (978-981-19-4738-4, 523054_1)
3	Role of Women in Science and Technology Research	Dr. R R Itkarkar, Dr. V N Patil, Dr. D S Bormane	International Conference on Gender equality and women empowerment.	978-93-90753-85-7

➤ B) Books published

S.No	Title	Author's Name	Publisher	Year of Publ
1	Introduction to Data Science	Dr. Patil V N, Dr. Shabnam Sayyad, Dr. Farook Sayyad	LAP Lambert Academic Publishing	29 -09-2023

Publication Details (Conferences)

B) Paper presentation in conference

Sr. No	Name of Paper	Conference Name , it's Level and organizers	Date
1.	Economic Impact of Women Empowerment	International Conference on Gender Equality & Women Empowerment 2026 , PVG's College of Engineering, Technology and Management	8th march 2026
2.	Women participation in Indutrsy 4.0 for sustainable and green manufacturing	National conference on sustainable future: Culture, society, and governance in transition, Kalinga University	20-21 February 2026
3.	Assessment and Mitigation of Claim Disputes in Infrastructure Project Management: A Case-Based Approach	Modern advances in Civil Engineering Technologies, DMCOE Airoli, Navi Mumbai	24-25 March 2026
4.	Construction Planning and Management of Purandar Airport – A Case Study	Modern advances in Civil Engineering Technologies, DMCOE Airoli, Navi Mumbai	24-25 March 2026
5.	Performance Evaluation of Fir-Shaped Pile Foundation under Axial Loading Conditions	Modern advances in Civil Engineering Technologies, DMCOE Airoli, Navi Mumbai	24-25 March 2026
6.	Structural Performance Assessment of Façade System under Wind and Seismic Loads in High-Rise Buildings	Advances in Engineering and medical sciences 2026, International School of Technology and sciences for women	17-18 April 2026
7.	Life Cycle Cost Analysis Of Road Pavement	6th National Conference on Innovation in Engineering and Technology - (NCIET 2026), AISSM s COE Pune	17-18 April 2026
8.	Driver Sleep monitoring, face detection and recognition using YOLO and faceNet	International Conference on Convergence of Technologies for Viksit Bharat (ICCTVB - 2025),	Sanjay Ghodawat University, Kolhapur

			on 19th & 20th December 2025
9.	Predictive modeling of Air Quality Index	International Conference on Convergence of Technologies for Viksit Bharat (ICCTVB - 2025), Sanjay Ghodawat University, Kolhapur	19th & 20th December 2025
10.	Development Of AI-GIS Framework For Surface Water Quality Prediction	HYDRO-2025 International Conference on Hydraulics, water resource , River & Costal Engineering, NIT, Raurkela, Odisha	18th & 20th December 2025
11.	Empowering voices : Women in decision making in India- From Historical Legacy of Future	International Conference on Gender Equality & Women Empowerment, Pune Vidyarthi Griha's College of Engineering and Technology & G K Pate(Wani) Institute of Management Pune	8-9 March 2025
12.	AI-Driven Early Warning System (EWS) for Glacier Lake Outburst Floods (GLOFs) Using IoT & Remote Sensing	Advancements in communication, computing and electronics technology, MES' Wadia College of Engineering, Pune	4 April 2025
13.	Creation of Geo graphical Information System using Global Positioning System data	National conference NCIET 2023 AISSMSCOE Pune	31 May 2023
14.	Flood Assessment of Western Maharashtra Region using QGIS		
15.	Sand wash Plant		
16.	Plaxis 2D numerical analysis of Encasedstone column in soft clay	International conference, Indian Geotechnical and Geoenvironmental Engineering organized by NIT Jalandhar	19-20 Nov 2021
17.	Bearing capacity of Geocell Reinforced Model		
18.	CANAL WATER PRESERVATION WITH SOLAR ENERGY	North East Research Enclave 2022 organised by IIT Guwahati	20-22 May 2022
19.	RIVER BASINCROSSING ROAD PROFILE WITH RSGIS	2 nd Int.Conf. River Corridor, Research & Management , Jointly organized by IIT Guwahati and IIT Jammu	30th May, 2022 – 1 st June, 2022
20.	Role of Women in Science and Technology Research	International Conference on Gender equality and women empowerment. Organized by PVG and GK Pate Institute of Management	8 th March 2022
21.	Automatic Equal Quantity and Quality Water Distribution	in 4th International Conference on Science, Engineering and Technology (ICSET-20), , in Pune, Maharashtra.	6th –7th March, 2020

22.	Heavy Metal Removal by using Different Agricultural Waste Adsorbents	in 4th International Conference on Science, Engineering and Technology (ICSET-20), , in Pune, Maharashtra.	6th and 7th March, 2020
23.	Experimental Study Of Model Footings On Geogrid And Rubber-Grid Reinforced Fly Ash Embankment	International Conference Advances In Construction Materials And Structures (ACMS-2018) , Indian Institute of Technology Roorkee	March7-8 , 2018
24.	Presented paper on “Experimental Study of Model Footings on Geogrid and Rubber-Grid Reinforced Fly Ash Embankment”	Proceedings of the Conference on "Numerical Modeling in Geomechanics", Department of Civil Engineering, Indian Institute of Technology, Roorakee.	February 24-25, 2017
25.	Co- Author of Paper “Numerical Analysis of Fly Ash Embankment”	Proceedings of the Conference on "Numerical Modeling in Geomechanics", Department of Civil Engineering, Indian Institute of Technology, Roorakee.	February 24-25, 2017
26.	Reinforced Fly Ash Slope Using Different Geosynthetics	“SPPU-Innovation 2016” - Rajarshi Shahu College of Engineering, Tathawade, Pune	6th Oct, 2016
27.	Paper Presented on “Bearing Capacity of Embedded Strip Footing on Geogrid-Reinforced Fly Ash Embankment”	Proceedings of the National Conference on Advanced Structural Engineering, Department of Civil Engineering, Govt. College of Engineering, Karad	February 27-28, 2016
28.	Paper Presented on “Performance studies of model unreinforced fly ash embankment”	Proceedings of the National Conference on Smarter Cities-India: Smarter Solutions for a Better Tomorrow (SCI-2015), Department of Civil Engineering, Sinhadgad College of Engineering, Pune, Maharashtra,	June 8-9, 2015
29.	Presented paper on “ Reinforced Fly Ash Embankments: Review”	Proceedings of the International Conference on Sustainable Civil Engineering Structures (ICSCE-2014), Department of Civil Engineering, Indian Institute of Technology, Hyderabad	October 17-18, 2014
30.	Presented paper on “Improvement in water supply in Pune city – A challenge”	45th Annual Convention Indian Water Works Association, (IWWA) Pune, 2013.	10/01/2013 to 12/01/2013
31.	Presented paper on“ An overview of construction and demolition waste”	Indo Italian Conference on emerging trends in Waste management technologies - 2009	03/12/09 to 04/12/09
32.	Presented paper on “Mechanized Construction of Cement Concrete Road Using Slip Form Technique”	International Conference on “Emerging Trends in Engineering” Pravara Rural Engineering College, Loni, India	20/12/08 to 22/12/08
33.	Presented paper on “Life Cycle Cost Analysis of Roads”		
34.	Participated as Co-author: paper on “EIA of Irrigation Projects: Neglected Intangible Benefits”		

35.	Presented paper on “ Road pricing: The Economic Instrument For Sustainable Road transport”	In the four day International Conference on “Transportation Planning and implementation Methodologies for developing countries”. IIT Bombay, Mumbai, India.	03/12/08 to 06/12/08
36.	Presented paper on “Economic Analysis for a Proposed Flyover Scheme at Sancheti Hospital, Pune”.		
37.	Presented paper on “Sustainable Road Asset Management” ISBN NO. 978-81-8424 -349-9	In the three-day International Conference on “Best Practices to Relieve Congestion on Mixed- Traffic Urban Streets in Developing Countries”. IIT Madras, Chennai, India.	12/09/08 to 14/09/08

➤ **C) Poster presentation in conference**

1	Reinforced Fly Ash Slope Using Different Geosynthetics	“SPPU-Innovation 2015”, at D Y Patil IEMR, Akurdi.	06/07/2015
2	Reinforced Fly Ash Slope Using Different Geosynthetics	“ SPPU - AVISHKAR 2016”, at	06/07/2015
3	POSTER - Model testing of Reinforced Fly Ash Slope Using Different Geosynthetics	SPPU - AVISHKAR 2017”, at AISSMS COE, Pune 19/12/2017	02/01/2018

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	4	7	46

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)
ISTE	National	Life time
Institution of Engineers (IEI)	National	Life time
International Association of Advanced Materials.	International - 785182914859	Life time
Computer Science Teachers Association	International	Life time

Institute For Engineering Research and Publication (IFERP)	National	Life time
Solar Energy Society of India	National	Life time
Youth Hostels Association of India	National	Life time

Patents/IPR Filed/ Granted

Sr. No	Patent / IPR /	Title	Year
1.	Granted PATENT	REGULAR EQUAL WATER DISTRIBUTION SYSTEM	2024
2.	Granted PATENT	DEVICE FOR TESTING OPTIMUM BEARING CAPACITY OF GEOTECHNICAL MATERIALS WITH A SLIDING LOAD FRAME	2022
3.	Granted Design PATENT	Device to Monitor Growth of Plants and Crops	2024
4.	Granted Design PATENT	Grain and seed Sorting Machine	2024
5.	Granted Design PATENT	Water Distribution Apparatus with inbuilt Flow Rate Control Mechanism	2023
6.	Granted Design PATENT	Writing Board With Arrangement Of Projector And Camera	2021
7.	Granted Design PATENT	Rubbergrid For Reinforcement In Highway Construction	2021
8.	Granted Design PATENT	Apparatus For Testing And Measuring Strength Of Embankment Material	2022
9.	Granted Copyright	Introduction to Data Science	2023
10.	Granted Copyright	Mass damping of structure with TMD	2024
11.	PATENT	AUTOMATIC GATE OPERATING DEVICE	2018
12.	PATENT	VAPOURISED GASOLINE FUEL.	2018
13.	PATENT	TYRE GRID REINFORCED EMBANKMENT OF POZZOLANIC MATERIALS	2018
14.	PATENT	CROWD PULLER MOTOR	2018
15.	PATENT	TYREGRID EMBANKMENT REINFORCMENT	2018
16.	PATENT	ADVANDCED ELECTROMAGNETIC FIELD DETECTOR	2020
17.	PATENT	PORTABLE INEXPENSIVE POTENTIOSTAT	2020
18.	PATENT	Adjustable Stand For Mobile Display	2022

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount
1	Title of Project: REINFORCED FLY ASH SLOPE USING DIFFERENT GEOSYNTHETICS	2014-16	Savitribai Phule Pune University (SPPU) BCUD –R& D fund	Rs. 2,00,000.00
2	Title of STTP: Emerging applications in GIS (Three phases – Online : 30th Nov 2020 to 12th Dec 2020)	2020-21	AICTE - Short Term Training Program fund	Rs. 2,82,633.00

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

1. AICTE sponsored STTP (2.82,663/-) organized on Emerging Trends in Geographic Information System in three phases from 30th November 2020 to 19th December 2020.
2. Online Webinar series organized on “Startup Innovation ” from 28th May 2020-3rd June 2020.
3. Open online “ Atmanirbharata Start up Competition 2020” organized from 1st June to 25th June 2020.
4. Ideathon 2020-21 : Inter-department Startup Idea competition
5. Technical Committee member in Swayansidha Hackathon Start up Competition 2020
6. Ideathon 2019-20 : Inter-department Startup Idea competition
7. SIH Internal 2019 : AICTE Drive participation as SPOC member coordinator
8. Coordinator, SPPU District level Avishkar Rural 2019-20
9. State level Workshop on “Eco Housing: Certification of Residential Buildings -2010”, in ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY’s Institute of Information of Technology, Pune 411001, on 5th October – 6th October, 2010.

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1.	SPPU – PDEA Centre of Pharmaceutical Sciences and Research Near Zensar IT	Startup boot camp 2026	Regional	6 -7 February, 2026
2.	STTP “ Academic Excellence through Research and Innovation”, ISTE Sponsored Anatrao Pawar COE , Pune	Research commercialization and Innovation	National	24 - 28 November, 2026
3.	Pratibha Institute of Business Management, Chinchwad, Pune	Workshop on IPR and IP Management for Startup	Institute Level	30/10/2024
4.	PVPIT, Bavdhan, Pune	Taxation, GST and financial regulatory bodies	Institute Level	22/10/2024
5.	SVERI Pandharpur	Innovative techniques in ground improvement	National Level	12/09/2024
6.	SVERI Pandharpur	Finance Management in Construction Industry	Regional	27 July 2023
7.	Pratibha Institute of Business Management	IPR- Management	Regional	24 June 2022
8.	Dr. D Y Patil Institute of Management & Research (DYPIMR)	ATAL Design Thinking to Nurture Creativity and Innovation Leading to Entrepreneurship (Advanced Level)	National	04.01.2022 to 08.01.2022
9.	SVERI Pandharpur	Innovation and Startup	Regional	30 October 2019

Details of Workshop / STTP / FDP / Conferences Attended

Sr.	(STTP) Program	Venue / organized and sponsored by	Period
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1.	“UG Engineering Accreditation (in Context of New SAR 2024/2025 for Tier I Institutions)	NITTTR Bhopal (EC-Pune)	8th -12th JUNE 2026
2.	Practical Approaches to Soil Improvement and Sustainable Geotechnical Solutions	Ministry of Education, GOI, Dr. B.R. Ambedkar NIT Jalandhar	15-19 Sept, 2025
3.	Creating a Professional Digital Profile for Educators	Scrollwell Company	(06-08 Oct, 2025)
4.	Pioneering Advances In Civil Engineering (PACE-24)	ISTE- Datta Meghe College of Engineering	23-28 September 2024
5.	STC on Challenge in Waste water Air and land pollution in India	NIT Jalandhar Panjab	12–16 January 2024
6.	Use of ICT to Build Capacity of Technical Teachers	National Institute of Technical Teachers' Training and Research Bhopal Extension Center, Pune	24–28 June 2024
7.	Online FDP on “ Building Start Up And Innovation Centre “	MHRD & UGC – HRDC & SPPU	26/10/2020-30/10/2020
8.	Chemistry and Engineering aspects of water remediation	COEP – TEQIP- III sponsored	1-5 July 2019
9.	FDP on Data Science	Shivaji University with AISSMS Coe Pune	17-22 June 2019
10.	FDP on Vision – Mission PEO PSO PO CO framing and mapping Assessment and attainment.	AISSMS Coe Pune	10-15 June 2019
11.	FDP on Entrepreneurship	DST sponsored Science & technological Park, SPPU	9/12/2019-20/12/2019
12.	Advances in Concrete and Concrete Technology	MIT Pune	28 Sept, 2018
13.	Reference management in Research using Mendeley	Vishwniketan Institute of Management , Kumbhiuvali	19 Sept 2018
14. 15.	STC on “Recent advances in the field of transportation and infrastructure development”	Datta Meghe College of Engineering, Airoli, Navi Mumbai	20/12/2016 to 24/12/2016
16.	Faculty development Programme	AISSMS COE, Pune	25 and 27/07/2016
17.	Spoken Tutorial Project on LaTeX	Indian Institute of Technology, Bombay	29 August 2015
18.	STC on “Structural Dynamics, Seismic Design of High Rise Building and Machine Foundation”	Datta Meghe College of Engineering, Airoli, Navi Mumbai	09/04/2015 to 13/04/2015

19.	One day workshop on “Revision of Syllabus- S. E. Civil- 2012 Course”	Dr. D Y Patil School of Engineering & Technology, Charholi, Lohgaon, Pune	23/02/2013
20.	One day workshop on “Engineering Mechanics-2012 Course”	Akhil Bharatiya Maratha Shikshan Parishad’s College of engineering & Research, Parvati, Pune	21/01/2013
21.	One day workshop on “Water distribution system- Problems and remedial measures”	AISSMS COE, Pune	21/09/2012
22.	STC on “Finite Element Method and It’s Application in Civil Engineering”	IIT Mumbai, Mumbai.	2/07/12 to 6/07/12
23.	STTP on “Mission 10 X – Wipro”	Government College of Engineering, Pune.	12/03/12 to 16/03/12
24.	STC on “Climate change and water management”	IIT Mumbai, Mumbai.	28/02/10 to 4/03/10
25.	STTP on “ Counseling and Motivation for teachers”	National Institute of Technical Teacher’s Training & Research (NITTTR), Pune.	26/10/09 to 30/10/09
26.	STTP on “Environment and Waste Management Technology”.	MIT college of Engineering, Pune,	08/12/08 to 12/12/08
27.	“Faculty Development Program” conducted by Summit Training & Management Solutions Pvt. Ltd.	AISSMS’s Institute of Information Technology, PUNE.	24/07/08 to 01/08/08

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
01	Vice President, Institutional Innovation Council allied with Ministry of Education Innovation Cell Government of India
02	Coordinator Start up Innovation Cell allied with Savitribai Phule Pune University Pune
03	IQAC Member in 2020-21 and 2021-22
04	Student research work innovation -Mentoring skills: Paper presentation, Start up activities, Smart India Hackathon, R & D funds, Academics, Practical, Problem solutions, social activity, cultural l activity, Sports, Every semester 20 students till Graduation.

Awards Received

Awards Received			
Sr. No	Name of award / Recognition	Year	Incentives
1.	Vice-Chancellor - Nominee (Womens) – Faculty Selection	2026	--
2.	Vice-Chancellor – Subject Expert- Civil engineering – Faculty Selection	2026	--
3.	Dr. Sarvepalli Radhakrishnan Renowned Professor & Research Excellence Award 2024 in International Multidisciplinary Research Foundation, Institute of Higher Education & Research, India	05 th Sept 2024	Memento and Certificate
4.	Mentor Of Sih 2025 Winning Team	2022	Mentor Rs. 1.5 Lakh.
5.	Mentor Of Sih 2022 Winning Team	2022	Mentor Rs. 1 Lakh.
6.	Students received Job offer in KloudQ company as SPPU Hackathon winner	2021	Mentor
7.	Mentor Certificate - Students Received Gold medal in Overall and 1 st Rank in Engineering and Technology Anveshan 2020 National Level Student Research competition Students got Rs.75000.00 from AIU Delhi and Rs. 20,000.00 from SPPU on foundation Day	2020	Received Certificate
8.	State Level AVISHKAR 2019 and Innovation Project Arranged by University of Mumbai. (19-20 February) Won 1 st Rank in AVISHKAR 2019 : Best Innovation Project representing SPPU at State Level - Mentor of the Best Innovation Project “Automated railway crossing with auto train speed control and live tracking”	2020	Received Certificate
9.	Anveshan (2019-20) Rank 1 Certificate of Mentor Representing Savitribai Phule Pune University (SPPU) And Maharashtra Team Guide of a Student Research Project “Automated railway crossing with auto train speed control and live tracking” Anvention (2019-20) West Zone Inter-University Student Research competition Arranged by Association of India Universities, New Delhi and Department of Students development at University of Mumbai. (19-20 February, 2020)	2020	Received Certificate
10.	Session Chair Person in International Conference on Science Engineering and Technology (ICSET-2020) Pune , Maharashtra	2020	Received Certificate
11.	Organizing Committee Member in International Conference on Science Engineering and Technology (ICSET-2020) Pune , Maharashtra	2020	Received Certificate
12.	Organizing Committee Member International Conference on Recent Development Trends In Engineering & Technology (ICRDTIET- 2020) Nagpur , Maharashtra	2020	Received Certificate
13.	Students Mentee Received award +Cash Prize Rs.50000/- Won 2 nd Prize , I2E Final Start up Competition	10 th February	Mentor

	Mentor : Start up – Trash to Cash SPPU 71 st Foundation Day Award Function,		
14.	Mentor - One team is shortlisted for semifinal IICDC 2019. For Automation Electronics Texas Instrument Kit is received as award (costing Rs. 20,00.00) Electronics Texas Instrument Kit MHRD , AICTE , IIM B Drive with DST- Texas Instruments	2019	Mentor
15.	Best Paper Award	2018	Certificate , Cash
16.	Mentor IICDC – Texas Instrument , DST, MHRD, AICTE, MyGovt	2018	Memento
17.	Mentor of Business Proposal - Different more than 30 teams are mentored IICDC - MHRD , AICTE , IIM B Drive with DST- Texas Instruments	2018	Certificate
18.	Elite Academician IICDC 2019	2019	Photo on MyGov Portal
19.	MY GOV IICDC 2019 : Jury Member Task – Online 15 Business different Proposal are evaluated : MHRD , AICTE , IIM B Drive with DST- Texas Instruments	2019	Gift as Remuneration
20.	Mentor SIH 2019	2019	Certificate , Memento
21.	Coordinator of Avishkar 2019 – District Level (Engineering Rural)	11 th Jan, 2020	SPPU
22.	Judge – Order with Thanks giving letter Jury member of Avishkar 2019 – District Level (Engineering Urban)	12 th Jan, 2020	SPPU with PCCOE, RAVET
23.	Awarded as Mentor of winning team - Won 2 nd Prize , I2E Final Start up Competition, SPPU “Start up – Trash to Cash”.	2020	Certificate
24.	Mentor of the Best Innovation Project “Automated railway crossing with auto train speed control and live tracking” Won 1 st Rank in AVISHKAR 2019 : Best Innovation Project representing SPPU at State Level. Arranged by University of Mumbai. (19-20 February).	2020	Certificate ,
25.	Mentor and Guide of a Student Research Project “Automated railway crossing with auto train speed control and live tracking” Anvention (2019-20), West Zone Inter-University Student Research competition Arranged by Association of India Universities, New Delhi and Department of Students development at University of Mumbai. (19-20 February).	2020	Certificate ,

- **Consultancy Work: - Expert Panel Member in Eco Housing Certification Program in Pune Municipal Corporation, Science & Technology Park, Pune University, Pune.**

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

Dr. (Mrs) Vidya Nitin Patil