

CURRICULAM VITAE



Dr. Abhijeet D. Patil.
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Personal Details

Name	- Dr. Abhijeet D. Patil
Date of Birth	- June 22, 1991
Permanent Address	- D M Curtain House, "Gaurinandan" building, Opp.Rajarambapu Bank (Stand Branch), Near S.T.Stand, Peth-Sangli Road, Islampur-415409, Tal.-Walwa, Dist.- Sangli
Marital Status	- Married
Nationality	- Indian
Languages (read & write)	- Marathi, Hindi ,English

Objective

I intend to build a career in the field of civil engineering, which will give me the opportunity to work on challenging problems in a tough, competitive environment. With my zeal to work hard, my career goal would be to put in my best efforts and play a key role in the success of my organization.

Academic Performance

Engineering Qualifications: - B.E.(Civil Engineering)
M.Tech. (Construction Management)
Ph.D. (Civil Engineering)

❖ **Ph.D. Details:** -

Duration	2018-2024
University	Visvesvaraya Technological University, Belagavi, Karnataka.
Institute	Jain College of Engineering, Belagavi, Karnataka.
Stream	Civil Engineering
Name of Guide	Dr. Sanjeev Sangami, Professor, JCE, Belagavi, Karnataka
Title of Thesis	Development of Fecal Sludge Based Organic Fertilizer through Automated Sanitation System
Date of result announced	04/01/2025

❖ **Graduation & Post Graduation Details: -**

University: Shivaji University, Kolhapur.

Institute : Rajarambapu Institute of Technology (An Autonomous Institute), Rajaramnagar
Stream : Civil Engineering (Construction Management)

Class	Institute	Year	Pointer/Percentage
M.Tech. (Construction Management)	R.I.T. Rajaramnagar	2015-16	7.27
B.E		2013-14	60.56%

❖ **Pre-Engineering Qualifications: -**

Exam	Board	Year	Marks (%)
H.S.C.	Maharashtra State Board	2007-08	66.67
S.S.C.	Maharashtra State Board	2005-06	64.00

Teaching Experience

Sr. No.	Name of college	Post	Experience
1	Tatyasaheb Kore Institute of Engineering & Technology, Warananagar	Assistant Professor	Two Years (July 2016-May 2018)
2	Annasaheb Dange College of Engineering & Technology, Ashta	Assistant Professor	Five Years, nine months (June 2018-Feb 2024)
3	Nanasaheb Mahadik College of Engineering, Peth	Assistant Professor	Ten months (March 2024- Dec.,2024)
4	Nanasaheb Mahadik College of Engineering, Peth	H.O.D. & Asst. Prof.	Jan.,2025-till date
Total			Nine years

Academic Responsibilities held

Sr. No.	Name of Work	Institute
1	In charge, Facilitation Centre	NMCOE, Peth
2	Co-ordinator for criteria no.3.1 in NAAC evaluation	TKIET, Warananagar
3	Senior Supervisor	ADCET, Ashta
4	CAP Director	
5	Basic Civil Engineering Subject In-charge	
6	Basic Civil Engineering Laboratory In-charge	
7	S.Y. Class teacher	
9	NPTEL coordinator of ADCET, Ashta	
10	Alumni Co-ordinator	
11	Departmental Budget In charge	
12	NSS In charge	
13	ISO coordinator	

Awards/Recognition/Special Achievements

Sr. No.	Name of the Award/Work	Details of contribution related to the Award	Awarded by	Year	Type
1	Active SPOC (Best NPTEL coordinator)	Registration count of NPTEL and marks of participants	NPTEL, IIT, Madras	Jan- March, 2019	State
2				July-December, 2019	
3				Jan-April, 2022	
4				Jul-Dec, 2022	
5				Jan-April, 2023	
6	Institute Representative/ Examination Observer	To inspect all activities of NPTEL examination	NPTEL, IIT, Madras	Four times	Regional
7	Soft Skill Training Program for local chapter students	Conducted soft skill training program in collaboration with NPTEL	NPTEL, IIT, Madras	Two times	Regional
8	Participation in Implementation of Gaothan Settlement Project	Contributed in drone survey carried out by department of land records, GOI	Department of Land Records, Government of Maharashtra	23/07/2021	Regional

Technical Skills

1. Published papers in Scopus-indexed journals.
2. Granted and published patents.
3. Capability to fetch research grants from diverse government agencies.
4. Executed significant consultancy projects in the field of civil engineering.
5. Proficient in major software applications within the construction management domain.
6. Efficiently managed academic documentation processes.

Non-Technical Skills

1. Exceptional communication skills.
2. Proficient in Marathi typing.
3. Video editing expertise

Subjects Taught

1. Concrete Technology
2. Quantity Survey & Valuation
3. Building Construction & Materials
4. Building Design & Drawing
5. Building Planning & Design
6. Basic Civil Engineering
7. Engineering Mechanics

Consultancy work carried out

- Generated a revenue exceeding 2 lakhs through consultancy services in civil engineering.
- Specialized in diverse fields including surveying, structural audit, drafting of plans, and testing of materials.
- Competent in handling the following equipment:

- DGPS
- Drone
- Total station
- Corrosion meter
- Core cutter
- Rebound hammer
- Ultrasonic pulse velocity meter
- Universal testing machine

Patents Granted

Sr. No.	Name of Topic	Design No.	Date of Publication	Issuing Authority
1	High Performance Reinforced Concrete Slender Column	396586-001	04/10/2023	Indian Patent Office
2	Prefabricated Column	406070-001	30/01/2024	Indian Patent Office

Patents Published

Sr. No.	Name of Topic	Application No. & Journal No.	Date of Publication	Issuing Authority
1	A Novel Organic Bio-Fertilizer using Human Feces	202121029668 & 32/2021	06/08/2021	Indian Patent Office
2	A Novel Design of high performance concrete using fly ash & admix 345	202221053634 & 39/2022	30/09/2022	Indian Patent Office
3	High Performance Composite Column and Method of Manufacturing Thereof	202421009093 & 10/2024	08/03/2024	Indian Patent Office

Books Published

Sr.No.	Name of Book	Publisher	Date of Publication	ISBN	Beneficiaries
1	A Textbook & Laboratory Manual of Concrete Technology	Aruna Publications, Islampur	01/03/2019	978-93-5311-857-0	Second Year Students of Civil Engineering Branch
2	All About NPTEL	Lap Lambert Publications	22/06/2021	978-620-3-92611-8	Students & faculties from all domain

Research IDs

ORCID ID: 0000-0002-2291-7587

SCOPUS ID: 58282482400

Google Scholar ID: <https://scholar.google.com/citations?user=rCCLhhEAAA&hl=en>

Publun ID: JWA-5312-2024

Vidwan ID: 477595

Papers Published

Sr. No.	Name of Paper	Volume & Issue	DOI	Name of Journal/ Conference	Indexing
1.	Compressed Stabilized Earth Block using Lime	No.4, Issue. 09 September-2015 ISSN: 2278-0181	http://dx.doi.org/10.17577/IJERTV4IS090204	International Journal of Engineering Research & Technology	UGC care list
2.	Embodied energy Computation of Common and Alternative Building Materials	Conference Held at R.I.T. Rajaramnagar dated 26-28 Feb.,2016(Page No. 626-632)	-----	International Conference on Advances in Civil Infrastructure & Development of Smart Cities	UGC care list
3.	Automation of Embodied Energy Estimation using Programming Tool	Vol. 13, Issue 4, Version 7, Jul.- Aug.,2016, ISSN: 2278-1684	10.9790/1684-130407122130	International Organization of Science Research	UGC care list
4	Technological Solution for Rural Sanitation Structures	Volume 9, Issue 6 , June – 2020, ISSN: 2278-0181	http://dx.doi.org/10.17577/IJERTV9IS060854	International Journal of Engineering Research & Technology	UGC care list
5	Value Addition in Wall Plaster	IJESRT 9(4), April 2020,	10.5281/zenodo.3778372	International Journal of Engineering Sciences & Research Technology	UGC care list
6	A Review of Rural Sanitation Structures and Water Supply system	IJARESM Volume 9 Issue 6, June-2021, ISSN: 2455-6211	http://www.ijaresm.com/a-review-of-rural-sanitation-structures-	International Journal of All research Education & Scientific Methods	UGC care list

			<u>and-water-supply-system</u>		
7	Engineered cement composite enhanced reinforced concrete beams using flexural response: An experimental study	(20 July, 2021) ISSN: 2214-7853	https://doi.org/10.1016/j.matpr.2021.07.130	Materials Today: Proceedings (Elsevier)	Scopus
8	Comparative study of seismic response for steel building using steel bracing system and fluid viscous damper system	Volume 2716, Issue 1 5 May 2023	https://doi.org/10.1063/5.0129852	AIP Conference Proceedings	Scopus
9	Model studies on soft rock using socketed pile	Volume 2716, Issue 1 5 May 2023	https://doi.org/10.1063/5.0129846	AIP Conference Proceedings	Scopus
10	Effect of Brassinolide on invitro growth of sugarcane Co 86032 (Saccharum spp.)	Volume 1989, Issue 1 23 July 2018	https://doi.org/10.1063/1.5047722	AIP Conference Proceedings	Scopus
11	Sustainable Solutions for Sanitation Challenges and Agricultural Development: A Case Study of Beldarwadi Village, Maharashtra, India	Eur. Chem. Bull. 2022, 11(Regular Issue 12), 3011-3024	10.53555/ecb/2022.11.12.254	European Chemical Bulletin	Scopus
12	Restructuring of Sanitation Structures: Reviewing Technological Changes	Volume-11 Special Issue-12, 2023, Page no.67-80	10.37591/JoPC	Journal of Polymer and Composites	Web of science
13	Zero Waste Toilet a Sensor-Operated Urine Diverting Toilet for Sustainable Sanitation and Fertilizer Production	Int. J. Systematic Innovation, 8(2), 70-86 (2024)	10.6977/IJ oSI.202406_8(2).0006	International Journal of Systematic Innovation	Scopus
14	Optimizing fertilizer production: Co-composting fecal sludge with various bulking agents	Accepted	-----	Pollution Publisher: University of Tehran ISSN:2383-451XE- ISSN:2383-4501 Quartile: Q3	Scopus

Proficiency in AI tools:

Zotero	Inciteful	ResearchRabbit	Sourcely
consensus	Semantic Scholar	Elicit	Copilot AI

Scispace	Speechly AI	Paper digest	Schloracy
SpeakNotes	Paperpal	Midjourney	Canva
Mind the Graph	BioRender	Inkspase	QuestionPro
Tableau	Thrix	ChatGPT	Quillboat
Trinka	Writefull	Decktopus AI	Jenni

Membership of Professional Bodies

Sr. No.	Name of Organization	Membership Type	Date	Membership No.
1	Indian Society of Technical Education	Life Member	30/09/2022	LM 135756
2	Institution of Engineers, Kolkata	Associate Member	30/09/2018	AM1832118
3	International Association of Engineers	Member	30/07/2018	217631
4	International Society for Research & Development	Member	05/08/2018	M4150906342
5	International Conference on Material & Energy	Review Committee member	16/04/2019	-----

No. of Students Guided

Sr.No.	No. of Students guided	UG/PG	Name of Project	Academic Year
1	Five	UG	Technological solution for rural Sanitation Structures	2018-19
2	Five	UG	Innovative model for rural sanitation structures	2019-20
3	Five	UG	Technological solution for rural Sanitation Structures	2020-21
4	Five	UG	Organic Fertilizer using Human Feces	2021-22
5	Five	UG	Comprehensive model for degradation of fecal waste	2022-23

Guest lectures delivered:

Sr. No.	Name of topic	Organizing Institute	Date of Lecture
1	Advance Construction Material & Techniques	Nanasaheb Mahadik College of Engineering, Peth	28th February, 2017
2	Advance Construction Techniques	Nanasaheb Mahadik College of Engineering, Peth	26th March, 2018

Massive Open Online Courses (MOOC) Attended

Sr. No.	Name of Course	Organizing Institute	Duration
ACADEMIC YEAR 2017-18			
1	Foundation Program in ICT for Education	IIT, Bombay	2 months

ACADEMIC YEAR 2018-19			
2	Effective Use of IT for Professional Activities	IIT, Bombay	3 months
3	Soft Skills	IIT, Bombay	2 months
4	Workplace Communication	IIT, Bombay	2 months
5	English for Oral Communication	IIT, Bombay	3 months
6	Financial Literacy	IIT, Bombay	2 months
7	Hydration, Porosity & Strength of Cementitious Materials	NPTEL	1 Week FDP (AICTE approved)
8	Introduction to Remote Sensing		2 months
9	Sustainable Engineering Concepts & Life cycle Analysis		2 months
ACADEMIC YEAR 2019-20			
10	Introduction to Research	NPTEL	1 Week FDP (AICTE approved)
11	NBA Accreditation & Teaching-Learning in Engineering		2 months
ACADEMIC YEAR 2020-21			
12	Ethics in Engineering Practice	NPTEL	1 Week FDP (AICTE approved)
13	Soft Skills	IIT, Bombay	2 months
ACADEMIC YEAR 2021-22			
14	Accreditation & Outcome based Learning	NPTEL	1 Week FDP (AICTE approved)

Workshops/Webinars/STTP/FDP Attended

Sr. No.	Name of Course	Organizing Institute	Duration
ACADEMIC YEAR 2017-18			
1	Teaching Learning Process	TKIET, Warananagar	3 days
ACADEMIC YEAR 2018-19			
2	One Week Workshop on "Research Methodology"	VTU, Belagavi	1 Week
3	NPTEL Awareness Program	SDMCET, Dharwad	1 Day
4	STTP on "Material Testing, Inspection & Quality Control in Civil Engineering"	ADCET, Ashta	1 Week
ACADEMIC YEAR 2019-20			
5	Webinar Series on "Innovations in Green Building and Sustainable Developments"	RIT, Rajaramnagar	4-6 June, 2020
6	STTP on "Infrastructure Development: Possibilities & Challenges ahead"	New Horizon Institute of Technology & management, Thane	25-29 May, 2020
7	Webinar Series on "Metro Rail Technology-Practices & Issues"	RIT, Rajaramnagar	11-15 May, 2020
8	Webinar Series on "Development, Execution And Maintenance Of EPC Project"	RIT, Rajaramnagar	28-30 May, 2020
9	FDP on "A Vision for the future of Structural Engineering"	ADCET, Ashta	12-16 May, 2020
10	STTP on "Shaping the future of Construction Practices"	ADCET, Ashta	23-26 Dec., 2019
11	NPTEL Workshop for SPOC	IIT, Bombay	11 Jan., 2020
ACADEMIC YEAR 2020-21			
12	What, Why and How of Research Question	GASS National Research Workshop	29 May, 2021

13	GIS, Remote Sensing & Its applications	AICTE Training & Learning Academy (ATAL)	7-11 June, 2021
14	Smart Cities-Infrastructure & Sustainability	AICTE Training & Learning Academy (ATAL)	24-28 May, 2021
15	Intellectual Property Rights & Patenting	DACOE, Karad	29 June, 2021
16	Impact of Covid on Higher Education & Research Initiatives	VCET, Pondicherry	21-88 May, 2021
17	The Scale of Construction in United Arab Emirates	KBP, Satara	16 June, 2021
18	Valuation of Land & Building/ Real Estate	KBP, Satara	5-6 June, 2021
19	Recent Trends in Civil Engineering	NMCE, Peth	14-18 June, 2021
20	FDP on Advanced Construction Trends in Civil Engineering	RIT, Rajaramnagar	24-28 May, 2021
21	Landslides & Preventive Measures	RIT, Lohgaon	4 June, 2021
22	Skill Development Programme- Positive Attitude	Shri Havagiswami Mahavidyalaya, Udgir	23 May, 2021
23	NPTEL Awareness Program	NPTEL, IIT, Madras	5 May, 21 May, 9 June, 2021
ACADEMIC YEAR 2021-22			
24	Repair, Rehabilitation & Retrofitting Techniques of Reinforced Concrete Structures	Srinivasa Ramanujan Institute of Technology , Ananthapuramu, Andhra Pradesh	28 June- 3 July, 2021
25	FDP on Recent Trends in Concrete Technology	ADCET, Ashta	5-9 July, 2021
26	FDP on Intellectual Property Rights	IIT, Guwahati	25-0 October, 2021
27	FDP on Modern Trends in Civil Engineering & Construction Industry	ATAL FDP	2-6 August, 2021
28	NPTEL Awareness Program	NPTEL, IIT, Madras	18 August, 2021
ACADEMIC YEAR 2022-23			
29	FDP on "Design Thinking"	ADCET, Ashta	3 days
30	FDP on "Conviction of Artificial Intelligence in Civil Engineering"	COE, Pandharpur	1 Week
ACADEMIC YEAR 2023-24			
31	QGIS in Civil Engineering: Best Practices and Case Studies	ADCET, Ashta	7-13 December, 2023
32	Industry 5.0 – A paradigm shift towards circular economy	NMCOE, Peth	19-24 February, 2024
33	NPTEL Awareness Program	NPTEL, IIT, Madras	30 May, 2024
ACADEMIC YEAR 2024-25			
34	NPTEL Awareness Program	DYPCOE, Kolhapur	25 October, 2024
35	Repair and rehabilitation of structures	BSIET, Kolhapur	5-9 November, 2024
36	Life Skills Development	BSIET, Kolhapur	3-7 December, 2024
37	Outcome based Education & NBA Accreditation Process	ICW. Sivagangai	17-23 December, 2024

Computer Skills

Software Course: - 1. Microsoft Project 2007

2. PRIMAVERA P6
3. Opticon
4. Quantity Take Off, 2014.
5. Computer Aided Drawing (CAD).

Ph. D. Project

Name of the project: - Development of Fecal Sludge Based Organic Fertilizer through Automated Sanitation System

M.Tech Final Year Project

Name of the project: - Identification and Suggestion of Low Embodied Energy Building Materials

B.E. Final Year Project

Name of the project: - Performance Evaluation of Laboratory Scale Model of Vegetated Vermifilter Grey Water Treatment Unit

Strengths

- Flexibility and Ability to work hard.
- Leadership Skills.
- Easy learner.
- Good team skills.

Hobbies

- Listening music.
- Watching movies.

Interests

- Travelling.
- Agriculture.

Declaration

I hereby declare that all the information given in this is correct to the best of my knowledge and belief.

Date: / / 202

Mr. Abhijeet D. Patil