

## CURRICULUM VITAE

**Dr. Abhay Mahadeorao Shende**  
**Principal, Priyadarshini J.L College of Engineering, Nagpur.**  
**D.Sc., Ph.D, M.Tech, B.E.(civil)**



**Name:** Dr. Abhay Mahadeorao Shende  
**Present Title:** Principal, Priyadarshini J.L College of Engineering, Nagpur.  
D.Sc., Ph.D, M.Tech, B.E.(civil)  
**About college:** Priyadarshini J.L College of Engineering, an institution belongs to Lokmanya Tilak Jankalyan Shikshan Sanstha, Nagpur affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur has been **Accredited with Grade 'A' by NAAC.**  
**Address:** Priyadarshini J.L College of Engineering 846, Nandanwan, Nagpur-09.  
Tel: (91)-712-2711505 ,2712490. E-mail: [principaljlcce@gmail.com](mailto:principaljlcce@gmail.com)

### Personal Details:

**Date of Birth:** 3<sup>rd</sup> July 1974  
**Address:** Plot No.1, Shahane layout, Sai Vaishnavi Apartment, Trimurti Nagar, Nagpur-22.  
**Mobile:** 09822362306  
**Email:** [abhaymshende3@gmail.com](mailto:abhaymshende3@gmail.com) , [shende\\_renu@yahoo.com](mailto:shende_renu@yahoo.com)

### Professional Experience:

- Principal, Priyadarshini J.L College of Engineering, Nagpur (24-7-2014 till date)
- Officiating Principal and Professor (Regular) - Priyadarshini J.L. College of Engineering, (Formerly Known as J.L. Chaturvedi College of Engineering), Nagpur (1-10-2012 to 23-7-2014)
- Assistant Prof and Head Civil Engg. (Regular) - Priyadarshini J.L. College of Engineering (Formerly Known as J.L. Chaturvedi college of Engineering), Nagpur (1-8-2008 to 1-10-2012)
- Sr. Lect. (Regular)- Smt Bhagwati Chaturvedi College of Engineering (Priyadarshini Group College),Nagpur (17-9-2007 to 31-7-2008)
- Lecturer(Regular) - Priyadarshi College of Engineering, Nagpur (2-9-2002 to 17-9-2007)
- Lecturer (Adhoc) - Priyadarshi College of Engineering,Nagpur (30-8-2001 to 31-5-2002)
- Lecturer (Regular)- Nagpur Polytechnic ,Nagpur (4-8-1999 to 29-8-2001)

## Qualifications :

- D.Sc. (Engg. & Tech) in Civil Engineering -2021 (Sangam University, Bhilwara)
- Ph. D (Engg.& Tech) in Civil Engineering -2013 (RTMN University, Nagpur)
- M.Tech. (First Division) in Structural Engineering-2002 (RTMN University, Nagpur)
- B.E. (Civil) (First Division) in Civil Engineering -1999 (Govt College of Engg, Karad Shivaji University)

## Teaching Experience: 24 years (Principal from 1-10-2012 till Date)

### Patents: 02

INDIA PATENT 201921010822 A, "System for speed breaker Alert using RF," Sept 25, 2020. Inventors: Dr. Abhay Shende, Sachin Chaudhari, Dr. Pravin Pokle  
INDIA PATENT 202021013759 A, "Paving tiles and method of preparation thereof," May 22, 2020. Inventors: Dr. Abhay Shende, Dr. Karunesh Yadav.

### Copyrights : 07

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2. Copyright© 2020 Shende A.M., Yadav K.. P.,, , "Formulation of Mathematical Model for prediction of SFRC compressive strength," Extracts from the Register of Copyrights L-96018-2020,10889/2020-CO/Ldated 22/10/2020.
3. Copyright© 2020 Shende A.M., Yadav K.. P.,,, "Prediction of SFRC strength from aspect ratio water cement ration and percentage of Fibre without control concrete strength", Extracts from the Register of Copyrights L-91745/2020, dated 03/06/2020.
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strength and split tensile strength Extracts from the Register of Copyrights L-98041/2020 8687/2020-CO/L dated 29/12/2020.

### Honors and Awards:

- Recipient of **“Rashtra Seva Puraskar”** for outstanding contribution for promotion Higher and Technical Education and Accreditation at National level 2023
- Recipient of **“Best Principal of the year award”** for excellence in Education by International education awards 2020 on 19 December 2020.
- Recipient of **“Best Indian Educationist Award”** for excellence in Education by friendship Forum by the hands of Ch. Randhir Singh, Hon'ble former Governor of Sikkim at New Delhi.
- Recipient of **“Bharat Excellence Award”** by Global Brotherhood- Forum by the hands of Ch. Randhir Singh, Hon'ble former Governor of Sikkim at New Delhi.
- Best innovation project awards by Institution of Engineers.
- Youngest speaker awards in International conference.
- Best emerging engineering college 2019 award by Times of India.
- Excellence Award- 2019 by Sakal Newspaper Group by the hands of Hon'ble Shri. Nitinji Gadkari, Union Minister, India.
- Award by Dr. Babasaheb Ambedkar National Association for Engineers.

### Professional Organizations:

- **Assessor of NAAC** Since February, 2019.
- Indian Society for Technical Education(ISTE) Membership No 41305 (Life Member).
- Institution of Engineering (IE) Membership No 1380197 (Life Member).
- Indian Concrete Institute (ICI) Membership No 9535 (Life Member).

### Author:

- An author of text book of Engineering Mechanics for choice Based credit system R.T.M.N.U. ISBN Number: - 9789391322007
- An author of text book of Study on steel fibre reinforced cum control concrete and by using experimental results models formulation for prediction of strengths ISBN Number: - 9788195177264.
- A text book of Engineering Mechanics (ISBN Number: - 978-81-89178-18-5)
- An author of text book of Engineering Mechanics for Semester Pattern R.T.M.N.U.
- An author of text book of Engineering Mechanics for Godwana University

### Research Experience :

- Carried out Doctor of Science work (D.Sc) – “ Study on steel fibre reinforced cum control concrete and model formulation for prediction of strength “
- Carried out Doctoral work (Ph.D) - “Investigations and Comparative Study on Properties of Steel Fibre Reinforced Concrete Members” Guided by Dr. A.M. Pande, Director R&D, Y.C.C.E, Nagpur.

### ➤ Ph.D Guidance :- 03 Students Awarded Ph.D.

➤ Experience to Guided 3 Ph.D. Students:		
Student	Thesis Title	Ph.D. awarded
Sachin Sharma	Behavior of Eco Friendly Fibrous concrete utilizing granite slurry waste & Demolition construction waste as partial replacement of cement & Fine Aggregates	30 Dec 2022
Mohd. Gulfam Pathan	Experimental Investigation on properties of concrete by adding steel fibre SBR- Polymer and Polypropylene Fibre	22 June 2021
Ajay Mendhe	Implementation of transformer less pv system in a multilayer grid connected inverter.	10 June 2021

- Post PhD work (Published good Research Papers)
- Organized (as progame chair) 01 International Conference
- Approved Guide for Ph.D and M.E by Research (RTMNU, Nagpur)
- Recognized as Post Graduate Teacher (RTMNU, Nagpur)
- Chair the technical Sessions at International and National Conferences.
- International conference on”Innovative Realm in Civil Engineering -2018” (24,24 Jan 2018) at KDKCE, Nagpur
- Editor–in–chief and Reviewer of International Journal of Emerging Trends in Engineering and Basic Sciences (IJEEBS)
- External Examiner for conduction of Viva voce Examination of UG,PG at VNIT, Nagpur, D.Y. Patil Institute of Engineering & Technology, Pune

### Research Publication (40)

#### Publications:

International Journals: 34

International Conference: 04

National Conference: 01

1. Shende.A.M. Global performance indicator (GPI) approach to predict the steel fibre reinforced concrete strength with error analysis HBRC Journal 2024, Vol 20,No 1,pp 123-137 Taylor & Francis (Scopus)

2. Shende A.M., Kadam A.D. 2023, 'Prediction of SFRC tensile strength by Artificial Neural network (ANN) with control strength and 4 independent pie terms Eur, chem. Bull.2023, Vol. 12 (special issue 10), No pp 503-507 ( Scopus).
3. Shende A.M., Kadam A.D. 2023, 'Prediction of Prediction of steel fibre reinforced concrete strength by using 3 independent pie terms with response surface methodology (RSM) model Eur, chem. Bull.2023, Vol. 12 (special issue 5), No pp 6176-6180 . (Scopus)
4. Shende A.M., Kadam A.D. 2023, 'Prediction of Prediction of SFRC Compressive strength by using 5 independent pie terms International journal of Mechanical Engineering, Vol. 7, No 01, January 2022 pp 7501-7504.(Scopus)
5. Shende A.M., Kadam A.D. 2023, 'Virtual Ergonomics of thresher for Agriculture women workers using Digital Human Modeling International journal of intelligent system and Application in Engineering, Vol 11 2023 pp 340-346.(Scopus)
6. Shende A.M., Kadam A.D. 2022, 'Importance of evaluation by Digital Human Modeling International journal of Mechanical Engineering, Vol. 7, No March 2022 pp 909-913. (scopus)
7. Shende A.M., sharma.S. 2022, 'An Experimental behavior on green concrete utilizing granits slurry waste (GSW)as partial substitute of cement. .IOP conference series 2022.1084(1),012022(scopus)
8. Shende A.M., sharma.S. 2022, 'An Experimental research on modified concrete using demolition construction waste as partial substitutes of fine aggregated Journal of integrated science and Technology,2022,10(3) pp 185-188 (scopus)
9. Shende A.M., Yadav K.. P., & Pande A.M 2020, 'Prediction of Steel Fiber Reinforced Concrete' (SFRC) Strength using Artificial Neural Network(ANN) models, response surface methodology, (RSM) models and their comparative study European Journal of molecular & clinical Medicine, Vol. 7, No 8,2020 pp 306-314 .(scopus)
10. A.M. shende et.al., "Artificial Neural Network (ANN) Model for prediction of Human Energy Consumption of women Thresher machine operators", European Journal of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 07, Issue 10, 2020, 1368-1374 .(scopus)
11. A.M. shende et.al., "Experimental Investigations and Comparative Analysis of Steel Fibre Reinforced Concrete For M-30 grade", International Journal SEYBOLD Report Journal,Volume 15, Issue8, 2020.
12. Shende A.M., Yadav K.. P., & Pande A.M 2020,'Prediction of Steel Fiber Reinforced Concrete Strength by Artificial NEural Network (ANN) using 5 and 3 independent pie terms"- International Journal of Advanced Trends in Computer Applications(IJATCA) Vol.7, No.2,October-2020 pp.54-58 .(scopus)
13. Shende A.M., Yadav K.. P., & Pande A.M 2020,"Exponential Mathematical Model for Prediction of Steel Fibre Reinforced Concrete Flexural Strength By Using 3 Independent Pie Terms"- Journal of University of Shanghai for Science & Technology -Vol. 22, Issue 12 Dec 2020 pp 41-50 .(scopus)
14. Shende A.M., Yadav K.. P., & Pande A.M 2020,"Response Surface Methodology(RSM) Models for prediction of steel fibre reinforced concrete strength by using 5 independent pie terms"- Aut Aut Research Journal 'Vol XI,IssueX,Oct 2020 pp52-60.(Ugc)

15. Shende A.M., Yadav K. P., & Pande A.M 2020," Mathematical Model for prediction of steel fibre reinforced concrete Compressive strength by using 3 independent pie terms" GIS Science Journal -Vol 7,Issue 10,2020 pp147-155.(UGC)
16. Shende A.M., Yadav K. P., & Pande A.M 2020, "Artificial Neural network (ANN) Models for prediction of steel Fibre Reinforced Concrete Strength" Recent Advancements in civil Engineering Springer Nature Singapore pp 223-230 2022 (scopus)
17. Shende A.M. & Mohankar R.H., 'Analytical Study of Multistory Building(G+5) For Base Shear and Story Shear By Conventional Method And ETAB Software Programmme ', Journal of Adv Research in Dynamical & Control Systems,02-Special Issue,2019. .(scopus)
18. Shende A.M. & Pande A.M.,S.Manchalwar, 'Prediction of flexural Strength of SFRC form Concrete Strength without fibres', IOP Conference Series, Materials Science and Engineering 410(1):012023 , September 2018. .(scopus)
19. Shende A.M. & Pande A.M., 2011, 'Comparative study on Steel Fiber Reinforced cum Control Concrete', International Journal of Advanced Engineering Science and Technologies (IAEST), Vol. 6, No 1, pp 116-120 (ugc)
20. Shende A.M. & Pande A.M., 2011, 'Investigation and comparative study of M-20 grade concrete by using Steel Fibres', International Journal of Engineering Research & Industrial Applications, Vol. 4, No III, pp 145-152 (Ugc)
21. Shende A.M. & Pande A.M., 2011, 'Experimental study and prediction of Tensile Strength for Steel Fiber Reinforced Concrete', International Journal of Civil and Structural Engineering", Vol.1, No 4, pp 910-917
22. Shende A.M. & Pande A.M., 2011, 'Mathematical Model to Calculate Predicted Compressive Strength and Its Comparison with Observed Strength', International Journal of Multidisciplinary Research and Advances in Engg. (IJMRAE), Application, Vol. 3, No. IV, pp 145-156
23. Shende A.M. & Pande A.M., 2011, 'Comparative study on Steel fibre reinforced cum control concrete under flexural and deflection', International Journal of Applied Engineering Research", Vol. 1, No 4, pp 942-950
24. Shende A.M. & Pande A.M., 2011, 'Investigation and Comparative Study of Properties of Steel Fibre Reinforced Concrete Member', Proceeding of International Conference in Innovation World of Structural Engineering (ICIWSE -2010), Aurangabad, Maharashtra, India, Vol. 1, pp 391-397
25. Shende A.M. & Pande A.M., 2011, 'Prediction of Split Tensile Strength of SFRC from Concrete Strength without fibers', Proceeding of FIBCON 2012, Indian Concrete Institute, Nagpur, Maharashtra, India, pp 132
26. Shende A.M. & Pande A.M., 2012, 'Experimental study on Steel Fibre Reinforced Concrete for M-40 grade', International refereed Journal of Engineering and Science, Vol. 1, Issue 1, pp 001-006
27. Shende A.M. & Pande A.M., 2012, 'Comparative study on Steel Fibre Reinforced Cum Control Concrete under Flexural', International Journal of Emerging trends in Engineering and Development, Vol. 2, Issue 2, pp 215-222

28. Shende A.M & Bahadure swati D ,2009, 'Experimental Investigation properties and Behaviour of masonry mortars using silico manganese slag manufactured sand.', National Conference RTCE-O9, Vol. 1, , pp 18-25
29. Shende A.M & Mrs S.A.Bhat,2010, 'Retrofitting of Existing Building.', InternationalConference ICIWSE-2010, Vol. 11, , pp 863-870
30. Shende A.M & S.A.Dhale, 2003, 'GTS to GPS Geodesy on the Move-2003, Survey of India, Dehradun.
31. Shende A.M. & Kashikar.R.P, 2013, 'Opportunities and Possibility of sustainable Development through Research', International Journal of Engineering Innovation and Research, Vol. 3 Issue 1, pp 1-5
32. Shende A.M. & Khandelwal R.P.,2015, ' A wider Perspective of life-Radical Acceptance',International Journal of Engineering Innovation and Research, Vol. 2 Issue 3, pp 13-17
33. Shende A.M & Mr P.R.Patil, 2014, 'Repairs and Retrofitting Of Damaged Structure', National Conference on Retrofitting of concrete Structures-2014, Vol. 1, , pp 235-240

### Attended STTPs

- STTP on Advances and Practices in Maintenance and Safety Engineering Sponsored by AICTE/ISTE 31 st March to 10<sup>th</sup> April 2004
- STTP on Maintenance and Rehabilitations of Civil Engineering Structures Sponsored by AICTE/ISTE 17th Feb to 1<sup>st</sup> March 2003
- STTP on Emerging Trends in Architecture Sponsored by ISTE/AICTE/COA 7<sup>th</sup> Jan, to 12<sup>th</sup> Jan 2002
- STTP on Structural Analysis and Design of Structures Sponsored by MHRD/AICTE (2 Weeks) 1-11 July 2008
- STTP on Planning and Management of Urban Infrastructure Sponsored by AICTE 20-25 July 2009

### Details of major research projects executed:

Sr. No.	Title of the project	Project Value (Rs.in lakh)	Granting agency	Date of start	Date of Completion
1	Improving Strength of concrete	5,20,000	Permanent Agrotech Pvt. Ltd.	22-08-2022	23-08-2023
2	Consultation on Improving Efficiency of solar panel to meet customer satisfaction	5,50,000	Galaxy Solar Energy Pvt. Ltd.	22-09-2022	02-09-2023
3	Machine Learning, Deep learning and challenges in data	2,50,000	AICTE training and learning (ATAL) FDP	08-1-2024	13-1-2024

	Analytics				
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### Working with International Bodies:

Sr. No.	Name of the international body	Nature of experience
1	Brisbane Institute of strengths Based practice, Brisban Australia	Co-Chairperson of oral presentation
2	Honorary professor and Dean (Online mode) Yesbud University Zambia	Curriculum Design and Expert for project
3	Primeasia University , Dhaka Bangladesh ( Online mode)	As an Panelist in world Education Summit 2020
4	Blue Hora Etopia University, Etopia	As a Key Note speaker in International conference IRAD 2020

### International exposure through participation in workshops, seminars or conferences held outside the country:

Sr. No.	Title of Workshop / Seminar / Conference	Month & year	Place
1	Rising of global India Aspiration, possibilities and challenges	21-23 Nov 2022	Dubai
2	Jury Member for project, seminar	University of Malaya Kualalumpur (Online mode) 2020-2021	Kulaumpur
3	Expert is seminar organized for post graduate students	University of Colombo shrilakna (Online mode) 2020	Colombo
4	Member and judge for drone championship competition	International Aviation Games	Delhi

### Experience of organizing events such as workshops, seminars, conferences:

Sr. No.	Title of workshop / seminar / conference	Month & Year	Place	Role assigned (to you) in organizing the event
1	Research Resilience A workshop to fortify research in Indian Academia (In collaboration with CRDF Global)	7 December 2023	PJLCE Nagpur	Program chair and Expert
2	International seminar on Research Methodology	20 March 2022	PJLCE Nagpur	Program Chair
3	The International Conference on Innovation in Technology, Engineering, Science & Humanities for sustainable Development	4-5 March 2022	PJLCE Nagpur	Program Chair



4	Transdisciplinary International conference on Integrated Approach in S&t FOR Sustainable Future	26 and 27 February 2022	Ambedkar college Nagpur	Program Chair
5	National seminar on Institutional Strategies, Preparedness & Implementation for National Education Policy 2020 sponsored by NAAC	10 Sept 2022	PJLCE Nagpur	Chairman
6	National Conference on student centric Learning apart from chalk and Talk in collaboration with NAAC	24 Jan 2019	PJLCE Nagpur	Convener
7	International conference IRICE-2018 Innovation realm in civil Engineering 2018	Jan 2018	PJLCE Nagpur	Session Chair
8	International conference (ICATESH-2016 ORGANIZED BY PJLCE Nagpur with IRD India	Jan 2016	PJLCE Nagpur	Program Chair
9	International Journal of Emerging Trends in Engineering and Basic Science www.ijeebs.com	Online journal started by our college	PJLCE Nagpur	Editor in Chief
10	National level Technical seminar Spitze	In The month on January 2013, 2014, 2015, 2016, 2017, 2018, 2019	PJLCE Nagpur	Convener
11	Organize two days' workshop on Android Apps in association with IIT Chennai	3 <sup>rd</sup> and 4 <sup>th</sup> Dec 2012	PJLCE Nagpur	Convener

### Experience of working on the Statutory Authorities:

Sr. No.	Institution*	Statutory forum / authority and position	From	To	Total ( in years and months)
1	National Assessment and Accreditation Council (NAAC)	NAAC Assessor ,	17-2-2019	Till Date	4 years 8 months
2	G.H.Raisoni of Engineering and Technology Highna MIDC	RTMNU University(VC) Nomination for the Governing Body	22-06-2023	Till Date	Four month

	<b>Nagpur</b>	Member			
<b>3</b>	<b>Priyadarshini college of Engineering</b>	RTMNU University(VC) Nomination for the Board of studies in Civil Engineering	14-08-2023	Till Date	Two Months
<b>4</b>	<b>RTMNU Nagpur University</b>	Board of studies civil Engineering	8-3-2021	Till Date	2 years 7months
<b>5</b>	<b>KITS College of Engineering, Ramtek</b>	Research Advisory Committee member appointed by RTMNU Nagpur University	29-11-2021	Till Date	2 years 3months
<b>6</b>	<b>Laximinarayan Institute of Technology</b>	Research Advisory Committee member appointed by RTMNU	1-06-2022	Till Date	1 year 4 Months
<b>7</b>	<b>RTMNU Nagpur University</b>	Committee member of Exam Reforms policy	10-12-2021	Till Date	2 years
<b>8</b>	<b>RTMNU Nagpur University</b>	Member of Faculty of science and Technology	6-5-2023	Till Date	5 Months

### Invited Talks:

- Expertise Delivered on “Moral, Ethics and Values in Education” at **AICTE Sponsored STTP**, Government Polytechnic, Nagpur (Oct,2020)
- Expertise Delivered on “Qualitative Metrics of NAAC Criteria for universities” at Sangam university, Bhilwara, Rajasthan (Nov,2020)
- **Resource person at national conference** “Student Centric Learning apart from chalk & Talk” in **academic collaboration with NAAC** at Priyadarshini J. L. College of Engineering, Nagpur.(24th January 2019 )
- Expertise Delivered on SFRC at Stewols India (P) Ltd., Nagpur (06/09/2012)
- Expertise Delivered on “Emerging Trends in Civil Engineering” at JIT, Nagpur( 05/12/2008)
- Expertise Delivered in faculty Development Programme on “Improving Teaching Competencies” at PCE, Nagpur
- Delivered more many Guest lectures, motivational talks for faculty and students at various organizations.

### Other Responsibilities:

- Conducted college Academic Audit
- Mentor at many organizations

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An expert advice, workshop, hands-on-training and detailed guidance on the topics such as SWOC analysis, preparation of SSR, Staff counsellings sessions, student-centric teaching-learning, feedback system, IQAC, e-Governance in the institute, Best practices, MIS, DVV, AQAR, AAA, Presentation, Mock Assessment, NAAC Visit preparation.

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**Date:**

**Dr. A. M. Shende**

