



Dr. Prashant S. Bokare

Present Address

Gondwana University,
MIDC Road Complex,
Gadchiroli,
Maharashtra, India.

Permanent Address

Pooja Bakery Road,
Kelkarwadi, Wardha,
Maharashtra, India.

Personal Details

Date of Birth -

23-11-1963

Category - Open

Gender - Male

Hobbies - Reading,
Singing, Badminton

Dr. Prashant S. Bokare

Vice-Chancellor, Gondwana University,
Gadchiroli, Maharashtra.

B.E., M.E. (VNIT Nagpur), Ph.D. (IIT Guwahati)

Certificate in Data Analytics, Machine Learning (IIM Raipur)

About me

I have a PhD in Traffic Engineering from the *Indian Institute of Technology Guwahati*, as well as a certificate in **Data Analytics and Machine Learning from the Indian Institute of Management Raipur**. My expertise lies in **Traffic Simulation, Data Analysis using R and Python, Probability and Statistics, Data Mining, Deep Learning, and Machine Learning**.

Over my 36-year career in higher and technical education, I have developed a passion for bringing education to **underserved populations**. I have been involved in various initiatives to make this vision a reality, including the creation of '**Vidyapith Aaplyaa Gawaat**', a university program designed to provide undergraduate education to village dropouts, **EKAL** training program on **PESA, FRA, and Biodiversity Act** for **Gram Sabhas in Gadchiroli District**, Centre for Innovation, Incubation, Industry and Training (**CIIT**) in collaboration with Tata Technologies, Gose Khurd Dam Water Distribution project etc. to name a few.

A **brief account** of my engagements in the last 36 years is as below;

- **Vice-Chancellor** of Gondwana University, Gadchiroli, Maharashtra, the state University, **from December 2021**,
- **Professor and Dean**, School of Engineering at OP Jindal University, Punjipathra, Raigarh, Chhattisgarh, for **three and a half years**,
- **Principal** at RSR Rungta College of Engineering and Technology, Bhilai, Chhattisgarh for **five years**,
- **Professor and Dean** at BD College of Engineering Sevagram, Wardha Maharashtra for **twenty six years**.

Patents Total - 05

- Indian - 01
- Australian - 01
- South African - 03

Research Papers

- Scopus Indexed - 21
- Non-Scopus - 10
- Conference - 10
- Total - 41

Few Recent Achievements as Vice-Chancellor

- Submitted the **SSR** for the first cycle of **NAAC** accreditation of Gondwana University, Gadchiroli.
- Initiated **Social Program on Removal Addiction in Community (SPARC)** program with **SEARCH, Dr Abhay Bang**
- MoUs with 181 Gram Sabhas for the training of Minor Forest Produce and various acts such as PESA, FRA, Biodiversity etc.
- Completed training of 110 Gram Sabhas
- Completed training of trainers (ToT) program for 150 trainers out of which 110 were identified as master trainers
- Bagged Category-1 incubation Center from Government of Maharashtra worth Rs 5.0 Cr
- Made education at the Post Graduate Teaching Department free for all
- Admissions to PG programs of the University Teaching Department increased from 300 to 1090
- Effectively implemented Community University Engagement Program
- **NSS** unit bagged the **Best University Unit of Maharashtra**
- Initiated the construction of Sanskritik Sabhagrih, Guest House and the Open Theatre
- Completed the erection of Physics, Chemistry and Computer Science Lab
- Initiated the Placement Cell of the University
- Initiated Multiple Entry and Multiple Exit Program
- I have set up the Center of Excellence for Traditional Knowledge, Technology, and Culture at OP Jindal University. Through this centre, we approach the rural craftsman and intervened in a few of the technologies such as Terracotta, Kosa Silk, Kasa Metal etc.
- We developed a concept of **Sustainable and MAnagable Rural Technology (SMART)** at Punjipathra Raigarh.
- At present studying the production process of **KASA** metal in Chhattisgarh.
- Under my leadership OP Jindal University has recently bagged the prestigious "**Swachchataa Award**" (6th rank nationwide, out of 863 participants) by the HRD Ministry and AICTE.
- My contribution during *Covid-19* is **20 webinars** (02 are on data science, **05 on Covid-19 and Data Analysis** and 13 on **National Education Policy 2020**), **01 patent applied** on refractory lining material, and **02 white papers** 01 on post Covid-19 preparedness and one on research agenda for post Covid-19 world.

Besides routine administration, I successfully use the following for the day-to-day operations of the University;

- Google GSuite Cloud
- ERP-based academic management
- Moodle
- Library Management System through ERP
- Plagiarism tools like URKUND
- Inflibnet, Shodhganga, ShodhSindhu, resources like ASCE, ASME, IEEE, and ET Case studies
- Robust and reliable wired and wireless network of CCTV camera system

I headed;

- NAAC team
- Purchase Committee
- Anti-Ragging Committee

As of now, I am working on;

- Reorienting curriculum to the latest technologies (AI, ML, DS)
- Application of Data Science in Decision Making (Doing a course with IIM Raipur)
- Finite Element Analysis of Steel Sleepers
- Accident Prediction Models (CGCOST funded project)

I was instrumental in achieving the following during AY 2019-2020;

- Atal Community Innovation Centre (ACIC) Proposal for NITI Ayog, working on a Project Grant of 2.5 Crores. This is at the Final Stage of Evaluation with the Government of India.
- **Swachchata Award** for OPJU, **6th rank nationally among 739 Universities and Colleges**
- Winning 04 grants from **National Commission of Women**
- Mobilizing **Chhatra Vishwakarma Awards** (underway)
- Mobilized **National Institutional Ranking Framework, NIRF**, data submission

I have published several papers in journals and conferences, published one patent and delivered several guest lectures. **At present working on Self Study Report (SSR) of NAAC at OP Jindal University.**

I taught 16 courses of Civil Engineering including programming languages (at UG, PG and PhD level) and 03 courses of MBA, established 04 laboratories, and guided several live U.G. and P.G. projects. A fond lover of Hindustani Classical Music and a voracious reader.

Experience

December 2021 to till date

Vice Chancellor, Gondwana University, Gadchiroli), Maharashtra, India.

July 2018 to December 2021($3\frac{1}{2}$ Years)

Dean School of Engineering, OP Jindal University (promoted by **Jindal Steel and Power Ltd. (JSPL)**), Punjipathra, Raigarh, C.G.

August 2013 -July 2018, (05 Years)

Principal, RSR Rungta College of Engineering and Technology, Bhilai, C.G. **January 2008 - August 2013 (06 Years)**

Professor and Dean Academics at B. D. College of Engineering Sevagram, M.S. **July 1998 - January 2008 (09 Years)**

Lecturer, Selection Grade at B. D. College of Engineering Sevagram, M.S.

October 1993 - July 1998 (05 Years)

Lecturer, Senior Grade at B. D. College of Engineering Sevagram, M.S.

August 1987 - October 1993 (06 Years)

Lecturer at B. D. College of Engineering Sevagram, M.S.

Recent Skill Certifications

2019,

Certificate Course in Introduction to Artificial Intelligence, NPTEL

2019,

Certificate Course in Python for Everybody, Coursera

2019,

Certificate Course in Data Science, UdeMy

2019,

Certificate Course in Deep Learning, Coursera

Qualifications

2013,

Ph.D., Indian Institute of Technology Guwahati, Guwahati, Assam, India.

1993,

Master of Engineering, NIT, Nagpur, erstwhile, VRCE, Nagpur University Nagpur.

1987,

Bachelor of Engineering, Walchand College of Engineering Sangli, M.S. (Shivaji University Kolhapur, M.S.)

1984,

Diploma in Civil Engineering, Rural Polytechnic Wardha M.S. **Patent**

Title - GAMMA RADIATION SHIELDING COMPOSITE MATERIALS

Patent Application No - 201921008367 , Status - Published

Project in Hand

Title-Crash (Accident) Prediction Model (CPM) for Durg-Raipur Four-Lane Highway

Funding Agency - Chhattisgarh Council of Science and Technology (CG-COST), Raipur, C.G.

Funding Amount - Rs. 500000/- (Rs. Five Lakh)

Editorial Board Member

Member of International Editorial Board of International Journal of Traffic and Transport Engineering, Belgrade, Serbia

Major Achievements As Head of the Institute

Forte

- Visioning
- Operations and Execution of Academic System

Registration Process

- A date of registration for the semester is announced to students while they go for vacation
- A registration form is filled by the student and submitted to the department along with fees paid receipt
- Roll number is allotted to student.
- Outcome:
 - Fees recovery is well planned and class attendance is good from Day-1

Start-IC Club (Start-up Incubation club)

- Club of students, entrepreneurs and faculty members
- Frequent Idea Exhibitions
- Healthy and fierce discussions
- Preparation of Project proposals

Inception of Project Exhibition for Students AVISHKAAR

- In the first edition of Avishkaar, we could display 70 projects.
- In second edition 250 projects.
- Outcome:
 - Students learn how to crack the problem
 - Students learn to prepare and present powerpoint presentations
 - Students enjoy the process

Curriculum Revision

- Revised First Year Curriculum with the following focus
 - Artificial Intelligence introduced in first semester
 - Data science is introduced as a minor for all non-CSE branches from the first semester
 - Project-based learning is introduced
 - Spoken communication is a part of the curriculum at every semester

NAAC Preparations

- Formulated IQAC of the University
- Submitted IIQA which was approved by NAAC
- Preparations for detailed SSR are on the way

Stakeholders' Feedback System

- Students' Feedback System
 - Students submit feedback on difficulty level and level of understanding of subject in the classroom instead of feedback from teachers
 - Students submit objective feedback on systems devised for them in measurable terms
 - The processing frequency is fortnightly
 - Outcome
 - * Since the feedback is not on the teacher, students submit fearless and impartial feedback
 - * The feedback system becomes more objective
 - * Difficulty level of the subject is immediately known and remedial measures can be immediately taken in a fortnight and results of improvement are reflected in the feedback of next fortnight.
- Parents' Feedback
 - Minimum five parents are invited every day randomly
 - Feedback committee meets the parents and requests the feedback on services including teaching and placement efforts
 - Rectifying measures are devised on the basis of feedback
 - Outcome:
 - * Parents act as part of the system and give wide mouth publicity to college efforts
 - * Feedback from parents helped us to improve the system

NAAC Accreditation

- Submitted Institutional Information for Quality Assessment (IIQA) to NAAC. It was approved
- Completed and submitted Self Study Report with all compliance
- Completed Students' Satisfaction Survey (SSS)
- Visit of NAAC team awaited

Conferences, Workshops, Seminars Etc.

- Conducted six (06) funded conferences
- Conducted five (05) funded workshops

Formulation of Standard Operative Procedure (SOP) and System in Place (SiP)

- Academic Manual
- Library Manual
- HR Manual
- Sports Manual
- Accounts and Audit Manual
- Purchase Manual
- Stores Manual
- Hostel Manual
- Complaint Redressing Mechanism
- OP Jindal University (OPJU) Policy Document for
 - Adjunct Professor
 - Long Term Internships
 - Guest Lecture, Workshops, Symposiums, Hands on Practice Workshops
- Regulations framed for OPJU
 - PhD regulation
 - MTech Regulation revised
 - Purchase Procedure Regulation

Positions Held

Total Experience - 32 years

2018 July - Till Date

Dean, School of Engineering, OP Jindal University, Raigarh, Chhattisgarh, India.

2013 August - 2018 July

Principal, RSR Rungta College of Engineering and Technology Bhilai, Chhattisgarh, India.

2013

In-Charge of Second Shift at Bapurao Deshmukh College of Engineering Sevagram Maharashtra.

2008-2013

Dean Academic at Bapurao Deshmukh College of Engineering Sevagram Maharashtra

2012

Coordinator WHEEL-SPIN 2012, National Level Student Techfest

2011

TEQIP-II Coordinator at Bapurao Deshmukh College of Engineering Sevagram Maharashtra.

2012

Organizing Secretary, First International Conference at Bapurao Deshmukh College of Engineering Sevagram Maharashtra

2012

Organizing Secretary, Second International Conference at Bapurao Deshmukh College of Engineering Sevagram Maharashtra

2007

Head of The Department of Civil Engineering at Bapurao Deshmukh College of Engineering Sevagram Maharashtra

1996, 1998, 2001, 2004

Officer In-Charge of University Examination at Bapurao Deshmukh College of Engineering Sevagram Maharashtra **Awards**

Diploma

First Merit in Maharashtra in Diploma Examination

B.E.

Passed B.E. in **Distinction Grade**

Elocution and Debate

Bagged many Prizes in Elocution Competitions

Subjects Taught and Laboratory Setup

Ph.D. Coursework

Statistical Analysis and Modelling
Classical Optimization Methods
Matlab Programming
Advance Excel

Post Graduate

(1)Environment Management (2)Public System Administration (3)Matrix Methods (4)Bunkers and Silos (5)Advanced Concrete Design

Undergraduate

(1) Traffic Engineering (2)Transportation Engineering (3)Engineering Mechanics(4)Environmental Engineering(5)Water and Waste Water Engineering,Water Treatment (6)FORTRAN Programming

Laboratory Setup

(1) Public Health Engineering (2)Engineering Mechanics Laboratory (3)Material Testing (4)Computer Laboratory

Conferences and Summer/Winter Schools Attended

1. National Conference of Vice Chancellors at USTM, Meghalaya, India 23rd to 25th March 2023.
2. India-Japan Seminar on Advantages of Using Steel Structures in Buildings and Infrastructure, under Indo-Japan Steel Relations Program, 12-13 March 2019, IIT Bombay.
3. 3rd Conference of Transportation Research Group of India, Kolkata India 2015.
4. 2nd Conference of Transportation Research Group of India, Agra India 2013.
5. International Conference 'Transportation Planning Methodologies for Developing Countries' December 2012 at IIT Bombay
6. 1st Conference of Transportation Research Group of India, Kolkata India 2011.
7. World Summit on Accreditation, New Delhi. March 2012.
8. Indo American Summit on Education 09, New Delhi, 2009
9. Computer Aided Transportation Planning and Traffic Engineering, IISc Bangalore 7-11 Dec 2010
10. Recent Trends in Urban Traffic Planning, NIT Surat October 2009
11. Research Methodology and Mathematical Modelling in Engineering and Technology 26-30 Nov 2009.
12. STTP on Recent Trends in Urban Transportation Planning at NIT Surat, 5-9 October, 2009.
13. Computer Aided Traffic Engineering - IIT Guwahati, November 2008
14. Clean Production Technologies - NITTTR, Chandigarh June 2008
15. All India Seminar on Maintenance and rehabilitation of structures IE Nagpur Local Center, 1992
16. Annual convention - Indian Water Works Association, 1993
17. ISTE Sponsored winter school on Applications of Biochemical Engineering To Design of Microbial Treatment of Industrial Wastes, 3rd to 15th Dec 1990 at Birla Vishvakarma Mahavidyalaya VallabhVidya Nagar Anand, Gujarat.
18. AICTE-ISTE Sponsored Short Term Training Program on Environmental Engineering Systems Optimization, 13th to 23rd December 2004 at Visvesvarayya National Institute of Technology Nagpur, Maharashtra.
19. ISTE Sponsored Short Term Training Program on Research Methodology and Mathematical Modelling in Engineering and Technology, 26th to 30th November 2009, BD College of Engineering Sevagram, Wardha, Maharashtra.

Recent Publications

Blogs

1. **Bokare, P.S.** 'Rebooting the Indian Economy Through Rural Industrialization', Blog published on <https://medium.com/valueshastra/rebooting-the-indian-economy-through-rural-industrialization-9df3bc36d58d>
2. **Bokare, P.S.** 'Simple Linear Regression-4, Testing The Assumptions', Blog posted on Medium, <https://medium.com/valueshastra/simple-linear-regression-4-testing-of-assumptions-6c8a82b6c759>
3. **Bokare, P.S.** 'Simple Linear Regression-3', Blog posted on Medium, <https://medium.com/valueshastra/simple-linear-regression-3-1438f1f4a512>
4. **Bokare, P.S.** 'Simple Linear Regression-2', Blog posted on Medium, <https://medium.com/@psbokare/basics-of-data-science-1-cf4cfbeb5afd>
5. **Bokare, P.S.** 'Simple Linear Regression-1', Blog posted on Medium, <https://medium.com/@psbokare/basics-of-data-science-1-15fabab87473>

Book Chapter

1. **Bokare, P.S.** 'Applications of Machine Learning Algorithms in Predicting the Changes in Ambient Air Temperatures', in Wiley Book on 'Advanced Analytics and Deep Learning Models', (Accepted)

Publications

1. Jaikant Sahu, **P. S. Bokare** 'Structural Health Monitoring of Bridge Structures Using Machine Learning Algorithms – Case Study of Milupara Bridge in Chhattisgarh, India', in Journal of Soft Computing in Civil Engineering, Aug 2021 (Communicated) **Post PhD**
2. **Bokare, P.S.**, Maurya A.K., Sharad GOKHLE, 'EFFECT OF SPEEDING BEHAVIOUR OF PASSENGER CARS ON TAILPIPE EMISSIONS', in International Journal of Traffic and Transport Engineering Aug 2021 (Communicated) **Post PhD**
3. **Bokare, P.S.** 'Rural Entrepreneurship in Ancient India and A Case Study of KASA Industry in Chhattisgarh, India', in Journal of Entrepreneurship and Innovation in Emerging Economies May 2021 (Communicated) **Post PhD**
4. **Bokare, P.S.** 'Prediction of COD Removal Efficiency of Activated Sludge Process Using Data Mining Algorithm', in Int. Conf. IEEE First International Conference on Emerging Trends in Industry 4.0 (2021 ETI 4.0) (19 - 21, May 2021). **Post PhD**
5. Tulika Gupta and **Bokare, P.S.** 'A Review on characterization and application of fly ash cenosphere', 2021 IOP Conf. Ser.: Mater. Sci. Eng. 1120 012025. **Post PhD**
6. Tulika Gupta and **Bokare, P.S.** 'Physical and Chemical Characterization of Fly Ash Cenosphere obtained from JPL Tamnar', in Proc. of OPJU Digital International Conference On Role of Innovation, Entrepreneurship and Management for Sustainable Development (RIEMSD) (September 26-27, 2020). **Post PhD**

7. Vinod Kumar Nagpure and **Bokare, P.S.** 'Cost analysis of steel framed composite structures and its comparison with RCC structures. A case study of OPJU', in Proc. of OPJU Digital International Conference On Role of Innovation, Entrepreneurship and Management for Sustainable Development (RIEMSD), September 26-27, 2020.**Post PhD**
8. Jaikant Sahu and **Bokare, P.S.** 'Structural Health Monitoring of RCC bridges using predictive machine learning algorithms', in Proc. of OPJU Digital International Conference On Role of Innovation, Entrepreneurship and Management for Sustainable Development (RIEMSD), September 26-27, 2020.**Post PhD**
9. Sonali Kujur and **Bokare, P.S.** 'Structural Health Monitoring of bridges using machine learning algorithms applied to continuously logging strain gauge data', in Proc. of OPJU Digital International Conference On Role of Innovation, Entrepreneurship and Management for Sustainable Development (RIEMSD), September 26-27, 2020.**Post PhD**
10. **Bokare, P.S.** 'Growth Factor Analysis of Covid-19 data using Data Mining Approach', Communicated to Nature Machine Intelligence.**Post PhD**
11. **Bokare, P.S. and Dhabadgaonkar, S.M.** 'Treatment of sugar-mill wastewater using activated Sludge Process', Communicated to I J of Wastewater Technology and Management. **Post PhD**
12. **Bokare, P.S. and Dhabadgaonkar, S.M.** 'Characterization of Sugar Mill Waste Water', Proc. of International Conference on Advances in Steel, Power and Construction Technology, 21-22 November 2019, OP Jindal University, Raigarh, C.G. India.**Post PhD**
13. **Bokare, P.S. and Pandey, V.** Finite Element Analysis of Beam Column Joint in RCC Structure', International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653, Volume 6 Issue VI, June 2018.**Post PhD**
14. **Bokare, P.S. and Sony, P.** 'Parametric Comparison of Rectangular and Trapezoidal Box Girder Bridge Deck System' IRJET, ISSN 2395-0072, 4(9) 2017.**Post PhD**
15. **Bokare, P.S. and Sony, P.** 'Review of Design Procedure for Box Girder Bridges' iJRASET, ISSN 2321-9653, 5(9) 2017.**Post PhD**
16. **Bokare, P.S. and Nag Choudhary, S.** 'Dynamic Analysis of Multi-storey Building using Response Spectrum Method and Seismic Coefficient Method – A Comparison' iJRASET, ISSN 2321-9653, 5(3) March, 2017.**Post PhD**
17. **Bokare, P.S. and Chandrakar, P.** 'A Review - Comparison between Response Spectrum Method and Time History Method for Dynamic Analysis of Multistoried Building', ISSN 2319-7064, 6(5), 2017.**Post PhD**
18. **Bokare, P.S. and Maurya, A.K.** 'Acceleration-Deceleration Behaviour of Various Vehicle Types', Transportation Research Procedia - **Journal Elsevier**, 2016 World Conference on Transportation Research, WCTR 2016, 10-15 July 2016 Shanghai, China.**Post PhD**

Recent Publications, Continued

19. **Bokare, P.S. and Maurya, A.K.** 'Study of Acceleration Behaviour of Motorized Three Wheeler in India', Transportation Research Procedia - **Journal Elsevier**, 2014 (International Conference on Transportation Planning Methodologies for Developing Countries, TPMDC-2014).**Post PhD**
20. **Maurya, A.K. and Bokare, P.S.** Sample Size Requirements for Vehicles Speed Data Collection Using Global Positioning System Procedia Social and Behavioral Sciences- **Journal Elsevier** 2nd Conference of Transportation Research Group of India, Agra, India. December, 2013.**Post PhD**
21. **Bokare, P.S. and Maurya, A.K.** 'Study of effect of Speed, Acceleration and Deceleration (A/D) Of Small Petrol Car on its Tailpipe Emission' in International Journal for Traffic and Transport Engineering (**Impact Factor 1.1595**), 2013, 3(4): 465 - 478**Post PhD**
22. **Bokare, P.S. and Maurya, A.K.** 'Acceleration and Deceleration Behaviour of Truck on Indian Highway' Indian Highways, March, 2014 Journal of Indian Roads Congress, New Delhi India.**Post PhD**
23. **Bokare, P.S. and Maurya, A.K.** Speed-Time Models of Deceleration Manoeuver of Various Vehicle Types at Signalized Intersection, in Proceedings of 3rd Conference of Transportation Research Group India, Kolkata, India, 2015, **Conference Post PhD**
24. **Bokare, P.S. and Maurya, A.K.** Study of Acceleration Behaviour of Motorized Three Wheeler in India. Transportation Planning Methodologies for Developing Countries, 2014, IIT Bombay, India. **Conference Post PhD**
25. **Bokare, P.S. and Maurya, A.K.** Study of effect of speed, acceleration and deceleration maneuver on vehicle's tail pipe emission Transportation Planning Methodologies for Developing Countries, 2012, IIT Bombay, India. **Conference**
26. **Maurya, A.K. and Bokare, P.S.** 'Study of Deceleration Behaviour of Different Vehicle Types', in International Journal of Traffic and Transport Engineering (**Impact Factor 1.1595**), 2012, 2(3), 253-270.
27. **Maurya, A.K. and Bokare, P.S.**, Bus Driving Cycle on State Highway in Maharashtra, India.- A case Study, At National Workshop on Understanding Real World Indian Driving Cycle at Central Road Research Institute, New Delhi, India. 4th December, 2012. **Conference**
28. **Maurya, A.K. and Bokare, P.S.** Acceleration Modeling of Vehicles in Developing Countries, Published in 2nd International Conference on Models and Technologies for Intelligent Transportation Systems, 22-24 June, 2011, Leuven, Belgium. **Conference**
29. **Maurya, A.K. and Bokare, P.S.** Effect of driver behavior on vehicle acceleration 1st Conference of Transportation Research Group of India, Bangalore, India. December, 2011. **Conference**

Reviewer

- Transportation Research Board (USA)
- Institution of Engineers, Journal of Civil Engineering
- International Journal of Traffic and Transport Engineering, Belgium.

Engagement as a Resource Person

- Chhattisgarh Council of Science and Technology, Raipur, Academic Coordinator for Children Science Congress
- Resource person for training the teachers of schools for Children Science Congress

Lectures Delivered

Webinar OPJU-IEEE Tech Web Series

Topic 'Data Science for Organizational Performance', on 11th July 2020.

Webinar in Virtual Summer Camp organized for the students of 05 states

Topic 'Role of Data Science in resolving Covid-19', on 2nd June 2020.

Webinar for the students of Civil Engineering in Central India organized by BIT Raipur

Topic 'Application of Artificial Intelligence in Civil Engineering', on 30th May 2020.

For Vanaha Education Kolkata

'Analysis of Covid-19 Data-A Data Mining Approach', on 16th May 2020 and 7th June 2020.

Centre for Industry, Raigarh

'Analysis of Covid-19 Data-A Data Mining Approach', on 24th January 2020.

At Bhilai Institute of Technology, Raipur

Key Note Address at an International Conference on 'Application of Artificial Intelligence in Civil Engineering', on 30th January 2020.

At Government Science College, Durg

Lecture on 'Few Thoughts on Success, Failure etc.' at Government Science College Durg on 3rd September 2016.

Surana Government Girl College, Durg

Lecture on 'How to Lead A Successful Professional Life' at on 3rd September 2016.

Lectures Delivered, Continued

For the Research Scholars at RSR Rungta College of Engineering and Technology, Bhilai

Five Day Workshop on Research Methodology, December 2016

For the Research Scholars at RSR Rungta College of Engineering and Technology, Bhilai

Classical Optimization Methods, November 2016

For the Research Scholar at Rungta College of Dental Science and Research, Bhilai

Statistical Analysis using MS Excel

For the Research Scholars at Sanjay Rungta Group of Institutions, Bhilai

'How to Write Research Papers'

For the Research Scholars at Sanjay Rungta Group of Institutions, Bhilai

Research Methodology

For the Research Scholars at RSR Rungta College of Engineering and Technology, Bhilai

Research Methodology

For the Research Scholars at RSR Rungta College of Engineering and Technology, Bhilai

Workshop on \LaTeX 2e (02 times)

Hydrology Data User Group, Nashik, M.S.

Expert Lecture on GIS Based Data Logging Technic, November 2012 at Wardha

For the Ph.D. Scholars of Electrical Engineering Students at Wardha, M.S.

Classical Optimization Methods

For the Research Scholars at Ramdev Baba Kamlanehru Engineering College Nagpur

Statistical Analysis using MS Excel

For the Research Scholars at Cummins College of Engineering for Women, Pune, M.S.

Data Analysis using Statistical Methods

Participation in University Work

- Executive Council member of Hemchandra Sahu Durg University, Durg Chhattisgarh.
- Drafted scheme and curriculum of Civil Engineering undergraduate program for RTM Nagpur University in the year 2001.
- Member Board of Studies, RTM Nagpur University in the year 2001-2004

Thesis Evaluated and Undergoing Thesis

- Five PhD thesis evaluated
- One student doing her PhD thesis under me right now

Special Efforts Taken to improve skill set

1. 3rd Conference of Transportation Research Group of India, Kolkata India 2015.
2. 2nd Conference of Transportation Research Group of India, Agra India 2013.
3. International Conference 'Transportation Planning Methodologies for Developing Countries' December, 2012 at IIT Bombay
4. World Summit on Accreditation, New Delhi. March 2012.
5. First Conference of Transportation Research Group of India, December 2011, Bangalore
6. Indo American Summit on Education 09, New Delhi, 2009
7. All India Seminar on Maintenance and rehabilitation of structures IE Nagpur Local Center, 1992
8. Annual convention - Indian Water Works Association, 1993
9. Computer Aided Transportation Planning and Traffic Engineering, IISc Bangalore Dec 2010
10. Recent Trends in Urban Traffic Planning, NIT Surat October 2009
11. Computer Aided Traffic Engineering - IIT Guwahati, November 2008
12. Clean Production Technologies - NITTTR, Chandigarh June 2008

Ph.D. Thesis Evaluated

2019 Analysis of Stresses in RCC Bridge Piers. For RTM Nagpur University, Nagpur.

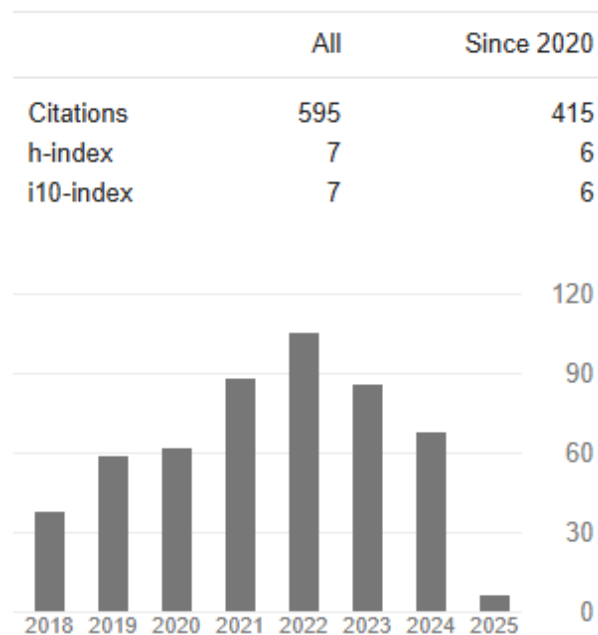
2017 Analysis of GIS Techniques in Finalizing the Canal Alignment and Canal Design. For RTM Nagpur University, Nagpur.

2017 Investigation on Strength Variation of Lime Fly-Ash Mortar With Change in Parameters. For RTM Nagpur University, Nagpur.

2017 Formulation of Effective Environmental Audit Method for Indian Coal Industry. For RTM Nagpur University, Nagpur.

2017 Modeling of Coupled Freshwater in Heterogeneous Layer and Salt-water Flow Coastal Aquifers. For Mumbai University, Mumbai.

2014 Parametric Studies on Rice Husk Ash As A Pozzolanic Material For RTM Nagpur University, Nagpur.



Reviewer of Journals

- International Journal of Traffic and Transport Engineering, Belgrade, Serbia
- Journal of The Institution of Engineers (India) - *Series A*
- Research Journal of Chhattisgarh Swami Vivekanand Technical University, Bhilai.

Events Organized

Co-Chairman 4th International Conference on Advances in Steel, Power and Construction Technology, November 2019, OP Jindal University, Raigarh CG.

Chairman 3rd International Conference on Advances in Steel, Power and Construction Technology, November 2018, OP Jindal University, Raigarh CG.

Conference Chair National Conference 'Applications of Computers and Electronics for the Welfare of Rural Masses, ACEWRM 2015'

Organizing Secretary International Conference 'Emerging Frontiers of Technologies for Rural Area, EFITRA 2012'

Organizing Secretary International Conference 'Benchmarks in Engineering, Science and Technology, IC-BEST 2012'

Convener Wheel-Spin 2011, National Students Techfest

Hobbies

Reading

Latest Reads - Man The Unknown by Alexis Carrel, The Art of Happiness by Dalai Lama

Indian Classical Music

Can Sing and understand

Legends - Smt. Girijadevi, Shri. Mehadi Hassan, Dinkar Phanshikar

Sport, Badminton

Can play

Ace shuttlers - Lin Dan, Kento Momota, Kadambi Shrikant

References

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