#### Profile



Dr. Shivraj Laxmanrao Patil Shri Laxmanrao Gangaram Patil January 1<sup>st</sup>, 1962 PQ 202 Prof. Quarters, SSBTs Arts , Commerce and Science College , Bambhori, Post Box no. 94 Jalgaon, 425001MS Mob no 9423774260, Email: profslpatil007@gmail.com 60 years , Male Indian Open 34Years,

Degree	Specialization	Year of Passing	Percentage	Institute	University/ Board
SSC	-	1978	50	Shardanagar boys higher secondary school Sagroli(MS)	SSC Board Aurangabad (MS)
H S C	Science (maths,phy, chem.)	1981	48.82	Junior college Degloor (MS)	HSC Board Aurangabad (MS)
B Sc	Geology	1984	69.32	Science college Nanded (MS)	Dr Babasheb Ambedkar Marathwada University Aurangabad(M)
M.Sc. (Tech)	Applied Geology	1987	71	University Department of Geology	Rashtrasant
Ph D	Geology	2011	-	SSBTs College of Engineering and Technology, Bambhori, Jalgaon	Kavayitri

Name

Father's name

Date of birth

Address:

Age as on date: Sex: Nationality: Category: Total Teaching Experience:

# Academic qualification:

Sr. No	Designation	Employer	From T	0	Total Exp.	Scale
1	Principal	SSBTs Arts, Commerce and Science College, Bambhori,	01//01/ 2022	Till date	3Months	AS per UGC Norms
2	Professor Civil Engineering	Jalgaon	01//07/ 2012	31/12/2021	9 yrs 05 months	Rs.37400 -67000 AGP 10000
3	Associate Professor	SSBT's College of Engineering and Technology	01/03/2010	30/06/2012	2 Years 3months	Rs.37400 -67000 AGP 9000
4	Lecturer in Selection	Bambhori, Jalgaon	01/02/2007	28/02/2010	3 yrs	12000-420-18300
	Sr. Lecturer		01/12/2002	31/1/2007	5 yrs 1 months	10000-325-15200
5	Lecturer		04/07/1988	30/11/2002	14 yrs 4 months	700-1600-
6	Lecturer	University Department of Geology ,Nagpur University Nagpur	July 1987	March1988	One year	Consolidated

#### Experience: A) In Chronological order starting from the present Job. 34 Years

B)	Experience as 'Lecturer 'Sr. Lecturer,				
	Lecturer in Selection	(in years and months): To	tal 22	Y	05 M
C)	Experience as 'Associate Professor'	( in years and months):	02	Y	02 M

- D) Experience as 'Professor ' (in years and months) 9 Y 05M
- E) Details of approval as a Lecturer: University reference:

( Poona University CCO / 421/ 165  $\,$  dt.22.07.1988 )

#### F) Details of approval as a Principal : University reference:

(NMU/18/337/2022 DATED 11/04/2022)

G) Life Member of Indian Society for Technical Education (LMISTE)

#### H) I got 128.9 Research Score vide letter no KBCNMU/18/API-

ARS/996/2021 , Dated 29/11/2021 as per Appendix II , Table 2 of UGC

# **Research area:-**

<u>**Title of Ph D thesis</u>**: Reuse of Fly Ash to enhance soil fertility and as a Building Aggregate: A Case Study of Deepnagar Thermal Power Plant, Bhusawal".</u>

<u>Guide</u>: Dr M V Baride, Formerly Registrar, North Maharshtra University, Jalgaon, MS; Presently Associate Professor at Z B Patil College, Dhule.

Details of research work done:

My Ph D work is a case study done for the re-use fly ash of Thermal Power plant of Deep Nagar, Bhusawal (MS). The fly ash obtained from Deep Nagar Thermal Power Plant has been used for following three objectives:

 <u>Soil nourishment</u>: Laboratory scale studies are done using local crops in order to determine the optimum proportion of fly ash that can enhance the crop growth. The crops thus produced are examined from edibility point of view. (10 % to 15% fly ash comes out to be optimum for plant growth.)



<u>Cement replacement in concrete</u>: To determined the optimum proportion of fly ash is to enhance the compressive and flexural strength of cement concrete. The effect of using fly ash on cost of structure is analyzed. (For compressive strength it is 5 to 15% of fly ash as optimum proportion for higher strength. For flexural strength up to 10% fly ash is found to be accepted)



**3.** <u>In clay bricks manufacturing</u>: <u>To</u> determined the Optimum proportion of fly ash that can be used in clay bricks is to improvement in compressive strength and water absorption by laboratory testing and is compared with standard values. Effect on efflorescence development is also determined. (It is observed that **5 to 10%** fly ash-clay mixture shows higher compressive strength.)



#### R & D Activity in college:-

- 1) Guided several batches of students for projects of their final year .
- 2) Design and Layout of Oxidation pond for the town of Kandhari near Bhusawal (MS) in collaboration with the engineers of MJP.
- 3) Design of Rain water Harvesting scheme for the campus.
- 4) Case study of housing project at Mamurabad for serviceability feasibility examination.

# Research Papers published in Peer-Reviewed Journals

Sr no	Title of the paper with page Nos.	Journal name with ISBN/ISSN No	Impact Factor	Number of total authors	First/Prin cipal/Corr esponding author
1	Enhancing soil fertility by fly ash 1(1), 67 – 69. 2010 <b>S L Patil</b> , M V Baride, M Husain,	An International Research journal of Agriculture and Allied Sciences (Green Farming), ISSN-0974- 0775	2.07 (IP)	03	First
2	Fly ash for soil nourishment: a case study for brinjal and ground-nut11 (1 & 2), 25-29. 2010 <b>S L Patil</b> , M V Baride, M Husain,	Environmental Conservation Journal ISSN- 0972-3099	0.914	03	First
3	Fly ash Concrete for road pavement: a Techno- Economic Analysis 1(3), 93-100 2010 <b>S L Patil</b> , M V Baride, M Husain,	International Journal of Advanced Engineering Technology, E-ISSN 0976-3945	5.54 (RJIF)	03	First
4	Fly ash Concrete- ATechnical Analysis forCompressive StrengthVol II , 128-129.2012S L Patil, J N Kale , and SSuman	International Journal of Engineering Research and Studies ISSN-2249- 8974	0.42	03	First
5	Carbon Credit Gains due to Reuse of Fly Ash in Concrete Technology 2013	International Journal of Engineering Research and Technology	0.42	03	First

	S L Patil, V R Diware, and	ISSN-2278-0181			
	M Husain				
6	Utilization of Fly Ash as	Indian Streams	5.1	03	First
	Soil Amendments in	Research Journal			
	Agricultural fields in	ISSN 2230-7850			
	Khandesh Area				
	Vol 7, Issue 2, 1-4				
	2017 Dr S L Patil, Swapnil				
	Wagh, Shubham patil				
7	Optimal Blending of Fly ash	International Journal	4.29	06	First
	with Geospatial	of Advance Research,			
	characteristics of soil Vol 3,	Ideas And Innovations			
	Issue 3,	in Technology			
	PP 176-182	ISSN 2454-132X			
	2017				
	Dr S L Patil , Saurabgh Naik,				
	Nikhil Nainani , Akash				
	Khanchandani , Akash				
	Virani, Subham Surve ,				
	Karan Lalwani				
8	Assessment of mass	International journal	7.97	03	Joint
	awareness and Willingness	of creative research			author
	for Environmental	Thoughts			
	protection	ISSN 2320-2882			
	2017.				
	Dr S L Patil, Dr S B Pawar,				
	Dr.V R Diware				
9	Application of information	International Journal	6.3	02	First
	technology for	of Management,			
	Environmental pollution	Technology and			
	control	Engineering ISSN			
	2018	2249 - 7455,			
	Dr S L Patil, Dr S B Pawar				
10	Donlocoment - f f	004 <b>T</b> -4 1	4.2	06	Loint
10	Replacement of fine	884 International	4.2	06	Joint
	aggregate using glass	Journal of Advance			author
	material in concrete	Research, Ideas and			
	PP881 - 884	Technology			
	2019 Dr S I Potil Potilal potil	ISSN 2454-132X			
	Dr S L Patil , Ratilal patil ,				

	Chetan Patil , Swarna Patil, Pratima Valvi, Puja Gade,				
11	Treatment of sewage wastewater using an agricultural waste corn cobs PP 51 – 56 2019 <b>Dr S L Patil</b> , Lalit Patil, Ruturaj Patil, Rohan Patil, Gopal Vairalkar, Kranti	International Journal of Advance Research, Ideas and Technology ISSN 2454- 132X	4.295	06	Joint author
12	Deore," To improve the Fertility of Soil using Bio char, PP1325-1329, 2019 <b>Dr S L Patil,</b> Nikita Atolkar, Moreshwar Patil, Prasant Baviskar, Abhishek patil, Vaishali Savale,	International Journal of Advance Research, Ideas and Technology ISSN 2454-132X	4.295	06	Joint author
13	Experimental studies on concrete utilizing red mud as partial replacement of cement 2019 <b>Dr S L Patil</b> ,Bhumesh Kamrani , Akashy patil ,Mohd Owais , Kapil Jangid		4.295	05	Joint author
14		International Journal of Innovative Research in Science Engineering and Technology e- ISSN: 2319-8753,p- ISSN : 2320-6710	7.5121	06	First

# paper presentation in Seminars/ Conferences/full paper in Conference Proceedings International / National /State/University

Sr no	Title of the Invited lecture/paper presentations/ full paper in Conference Proceedings	Title of the conference / Seminar	Organized By	Level International/ National/State/ University
1	Salinity- a case study of Tapi basin" 28-29 January 1999.	National level seminar on Salinity in Purna Alluvial Basin	at Govt College of Engineering Amravati	National
2	Solid waste management for the campus of COET Bambhori 30 <sup>TH</sup> Oct 1999.	National level seminar on Geo- technical and Environmental Aspect of Managing Municipal Solid Waste,	MNREC Allahabad,	National
3	"Industry Institute Interaction, a path Ahead 23-24November 1999	National level seminar on Towards Excellence in Technical Education in 21 <sup>ST</sup> century	College of Engineering Pusad (MS)	National
4	Performance Appraisal of water treatment plant for the city of Jalgaon 25-26 December 1999.	IWWA National level seminar on Operation and Maintenance of Water Supply Schemes	Indian Water Works Association Amravati (MS)	National
5	CurriculumDesignEnvironment16-18December 2001	InternationalCongressofChemistry and EnvironmentProceedings of ICCE2001ICCE2001	ICCE2001 Indore (MP)	International
6	Audit of Water Works atBhusawal and Jalgaon16-18December 2001	InternationalCongressofChemistry and EnvironmentProceedings of ICCE2001ICCE2001	ICCE2001 Indore (MP)	International
7	Value based Engineering Education and compliance expected from self financing engineering colleges" 15-16 September 2003.	State level Convention of ISTE Goa-Maharashtra convention on the theme of Value based Quality Engineering Education: a call of the time,	JTM College of Engineering Faizpur	State level
8	FutureperspectiveofIndustrialWasteWater	National level seminar on Geo- Environmental Hazards- a future	JTM College of Engineering	National level

	Management 6-7 October 2003.	perspective,	Faizpur (MS)	
9	An Oxidation Pond in River!!!" 25-27December 2005	International Congress of chemistry and environment	ICCE2001 Indore (MP)	International
10	Environmentally Consistent Reuse Methods of Fly ash March 20 <sup>th</sup> 2008	Indo-Italian Conference on Green and Clean Environment	MAEETRs MIT Pune	International
11	Fly Ash Enriched Bricks" Dec 3-4, 2009	Indo-ItalianConferenceonEmergingTrendsinWasteManagementTechnologies,	MAEETRs MIT Pune	International
12	ConstructionTechnologyScheme of GreenBuilding11th March 2012	National level seminar on Green& Clean Technology	SSBTs College Of Engineering &Technology, Bambhori ,Jalgaon ,M.S.	National level
13	Energy Recovery from Municipal Solid Waste March 29 <sup>th</sup> 2013	International Conference on Advances in Energy Technology,	SSBTs College Of Engineering &Technology, Bambhori ,Jalgaon ,M.S.	International
14	Towards Zero Energy a case study of pearl river tower Guangzhou <i>Feb 25- 26 , 2014</i>	International Conference on Sustainable Development	-	International
15	Waste water treatment ISSN : 978-93-88544-95-5 28-12-2019	International Conference on Global Trends in Science, Technology, Humanities ,Commerce and Management (ICGTSTHCM19)	SSBTs College Of Engineering &Technology, Bambhori ,Jalgaon ,M.S.	International

# Orientation / Refresher/ STTP / Workshop/ Syllabus Up-gradation Workshop/ Training Teaching-Learning-Evaluation, Technology Programs'/ Faculty Development Programs

Sr. No	Name of the Course	Place	Duration	Sponsoring Agency
1	Environmental management- a future perspective. ,(One week)	JTM college of Engineering Faizpur (MS	21 <sup>st</sup> -25 <sup>th</sup> December 2000	AICTE- ISTE
2	Coastal erosion areas protection and management , (Two week)	NITK Suratkal (KS)	6 <sup>th</sup> -18 <sup>th</sup> January 2003	AICTE- ISTE
3	Rainwaterharvestingforruralandurbanareas.(Two week)	Mepco schelnk College of Engineering Shivakashi, (TN)	1 <sup>st</sup> -12 <sup>th</sup> December 2003	AICTE- ISTE
3	Watershed Management using GIS and Remote Sensing	Periyar Manianmmai College of Technology for Women Vallam , Thanjavur TN	3-7 th January 2005	AICTE- ISTE
5	Geographic information systems and its applications,	IIT Mumbai	14 <sup>th</sup> -18 <sup>th</sup> February 2005	AICTE- QIP

	(One week)			
6	Orientation Program for Engineering Teachers	SSBT's College of Engineering and Technology, Bambhori, Jalgaon	11 <sup>th</sup> -13 <sup>th</sup> July 2003.	Jointly Organized by SSBT's College of Engineering and Technology, Bambhori, Jalgaon and Engineering and Education Foundation ,Pune
7	One day workshop Disaster Management and Safety,	SSBT's College of Engineering and Technology, Bambhori, Jalgaon,	23 <sup>rd</sup> January 2010.	National Safety Council ,
8	OnedayworkshoponAwarenessinAuditingractices	SSBT's College of Engineering and Technology, Bambhori, Jalgaon,	1 <sup>st</sup> March 2010	Max Certification Pvt Ltd Mumbai
9	International Workshop on "Digital Governance and Hotspot geoinformatics	M.J.College Jalgaon	1 <sup>st</sup> -7 <sup>th</sup> June 2009	By K.C.E Society JalaSRI Watershed Surveillance & Research Institute M.J.College Jalgaon.
10	one day National workshop on Watershed Management and Development	School of Environment &Earth Sciences Department KBCNMU	19 <sup>th</sup> September .2008.	School of Environment &Earth Sciences Department KBCNMU Jalgaon

11	OneDayNationalonSeminaron''Nano''TechnologyPerspective&Future''''	SSBT's College of Engineering and Technology, Bambhori, Jalgaon	8 <sup>th</sup> March 2008	SSBT's College of Engineering and Technology, Bambhori, Jalgaon
12	OneDayNationalSeminarLowCostAutomation	SSBT's College of Engineering and Technology, Bambhori, Jalgaon	21 <sup>st</sup> April 2007	SSBT's College of Engineering and Technology, Bambhori, Jalgaon
13	One Day National Seminar on Quality Engineering Education	SSBT's College of Engineering and Technology, Bambhori, Jalgaon	26 <sup>th</sup> Dec.1998.	Jointly Organized by SSBT's College of Engineering and Technology, Bambhori, Jalgaon, KBCNMU Jalgaon and Engineering Education Foundation Pune
14	ThreeDayAdvanced-Training-ProgramonGreen-Buildings,-	GHRIE&M, Jalgaon	6,-8 December, 2019	IGBC's GHRIE&M, Jalgaon
14	OneDayworkshoponSyllabusFraming	SSVPSs B S Deore College of Engineering Dhule	31 st January 2013	SSVPSs B S Deore College of Engineering Dhule

15	One Day	SSBT's	28 th	SSBT's College of Engineering and
	workshop on	College of	January2019	Technology, Bambhori, Jalgaon
	Syllabus	Engineering and		
	Framing	Technology,		
		Bambhori, Jalgaon		
	One Day			Internal Quality Assurance Cell
	Seminar on	SSBT's College of	5th January – 2019	,SSBT's College of Engineering and Technology, Bambhori, Jalgaon
16	Adoption and	Engineering	2017	und Teennology, Bumonori, Sulguon
	promotion of	and Technology,		
	E- Learning in	Bambhori,		
	Higher	Jalgaon		
	Educational			
	Institutes			
17	National	Government	28-29 th	Government college of Engineering,
	Seminar on	college of Engineering	January 1999	Amravati
	Ground Water	, Amravati	1777	
	Salinity, water			
	Resource			
	Development			
	and			
	Management			
	of Purna			
	Alluvial Basin			
18	One day	Veermata	4 <sup>th</sup>	NBA under TEQIP
	Orientation	Jijabai Technology	November 2012	
	Workshop on	Institute (		
	Outcome	VJTI), Mumbai -19		
	Based	intumour 17		
	Accreditation			
	Process and			
	Parameters			

19	Poster -Fly ash	KBC North	18-19th	KBC North Maharashtra University
	as a soil	Maharashtra	December	Jalgaon M.S
	Nourishing	University	2007.	
	agent for	Jalgaon M.S		
	Tomato crop			
	University			
	level Research			
	Festival			
	Avishakar			
	2007'			
	,			
	Poster -Fly ash	SNDT	10-12 <sup>th</sup>	SNDT Women's University Mumbai.
20	as a soil	Women's	January	
	Nourishing	University	2008.	Inter University Research Festival
	agent for	Mumbai.		
	Tomato crop'			
	State level in			
	Avishakar			
	2008,			

Creation of ICT mediated Teaching Learning pedagogy and content and development of new and innovative courses and curricula

Sr. No	Innovative pedagogy	Course for which it is applied
1	Engineering Geology Manual	S E ( Civil)
	Link	Engineering
	http://in.docworkspace.com/d/Saf_rlJvVmYAsirSL3qinFA	
2	Surveying and geomatics	SE(Civil)
	Field Book	Engineering
	Link	
	https;//drive.google.com/drive/folder/1HLRiu14fq1T1oS5XD	
	7dGMYNBsoBnEnmg?usp= sharing	
3	Advanced Surveying Field Book - Link	BE(Civil)
	https;//drive.google.com/drive/folder/1HLRiu14fq1T1oS5XD	Engineering
	7dGMYNBsoBnEnmg?usp= sharing	

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Sr. No	Title of curricula and courses designed	Name of the program
1	Engineering Geology	S E ( Civil) Engineering
2	Surveying and Geomatics	S E ( Civil) Engineering
3	Remote Sensing	B E ( Civil) Engineering
4	Geographic information system	B E ( Civil) Engineering
5	Watershed management	B E ( Civil) Engineering
6	Geology for Engineers	B E ( Civil) Engineering

## \* E-Content

Developed complete notes of subjects Surveying and Geomatics, Advance Surveying,Watershed Management, Remote Sensing and Geology. Prepared their power point presentations and coupled with animations wherever required. Also developed laboratory Manuals in the subjects Surveying and Geomatics, Advance Surveying, Watershed Management, Remote Sensing and Geology, Manual, field book . The e – content of these material is made available to students through Moodle. Also shared on Google link https://drive.google.com/drive/folder/1HLRiu14fq1T1oS5XD7dGMYNBsoBnEnmg?usp= sharing

# Research guidance :-

I got recognition as PG teacher for Master of Engineering in Civil Engineering with specialization in environmental engineering.

Sr.No.	Ph.D. / M.Phil./ P.G dissertation	Degree awarded/ Thesis submitted	Guide/ co- guide
1	P.G dissertation 2012-13	Degree awarded	Guide
2	P.G dissertation 2013-14	Degree awarded	Guide
3	P.G dissertation 2014-15	Degree awarded	Guide
4	P.G dissertation 2015-16	Degree awarded	Guide
5	P.G dissertation 2016-17	Degree awarded	Guide
6	P.G dissertation 2017-18	Degree awarded	Guide

# Subjects taught:

#### At UG level

- 1. Engineering Geology at SE Civil Engineering.
- **2.** Advanced Engineering Geology at B E Civil Engineering.
- 3. Remote sensing in geomorphology and Civil Engineering at B E Civil Engineering.
- 4. Watershed management at B E Civil Engineering.
- 5. Surveying and Geomatics at SE Civil Engineering.
- 6. Elements of civil Engineering at FE Engineering
- 7. Advanced Surveying Lab at B E Civil Engineering.
- **8.** Engineering Geology Lab at SE Civil Engineering .
- 9. Geology for Engineers at B E Civil Engineering.
- **10.** Geographic Information System at B E Civil Engineering .
- 11. Surveying and Geomatics Lab at SE Civil Engineering .
- **12.** Projects and Seminars for final year students in Civil Engineering Department.

#### At PG level:

1 Watershed management at M E Civil Engineering with specialization in Environmental Engineering at Civil Engg Dept SSBTs College, Jalgaon.2 Petrology, Mineralogy, Optics, paleontology, Oil and Petroleum for Master of Science at Nagpur University Nagpur.

## **Career profile:**

- From July 1<sup>st</sup> 1988 to November 30<sup>TH</sup> 2002 as Lecturer in Civil Engineering at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS.
- From Dec 1<sup>st</sup> 2002 to Jan 31<sup>st</sup>2007 as Senior Lecturer in Civil Engineering at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS.
- From Feb 1<sup>st</sup> 2007 to Feb 28<sup>th</sup>2010 as Lecturer in Selection Grade in Civil Engineering at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS.
- From March 1<sup>st</sup> 2010 to June 30<sup>th</sup> 2012 as Associate Professor in Civil Engineering at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS.
- From July 1<sup>st</sup> 2012 to 31/12/2021 as Professor in Civil Engineering at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS.
- **6.** From Sept 15<sup>th</sup> 2011 to March 30<sup>th</sup> 2013 as Head Of Applied Science Department at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS.

### Administrative experiences:

- Worked as Principal In-charge at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS from May 15<sup>th</sup> 1999 to July 30<sup>th</sup> 1999.
- Holding additional charge of Principal in-charge of New polytechnic, Bambhori, Jalgaon, MS from October 28<sup>th</sup> 2005 till date.
- Worked as Board of Studies in Civil Engineering during academic year 2008 to 2011 at North Maharshtra University, Jalgaon, MS.
- Working as Rector for Boys' Hostel at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS from April 2003 till date.
- 5. Worked as Chairman, Cultural Committee since appointment till 2011. Organized various Cultural Activities for students including Annual day every year. Looked after catering and stage arrangement aspects for each every National/Inter-national

workshop/seminar/conference/paper presentation activity etc organized in the College since last 25 years.

- Did complete event management during the visit of President of India to the SSBT's College of Engineering and Technology, Bambhori, Jalgaon, M.S.on 13<sup>th</sup> June 2011.
- Did complete event management during the visit of President of India to the SSBT's College of Engineering and Technology, Bambhori, Jalgaon, M.S.on 25<sup>th</sup> March2012. I have received appreciation letter from Principal SSBTs College.
- Working as member of Anti Ragging Committee and member of Anti Ragging squad Since 2003.
- 9. Worked as Staff Representative in the Local Management Committee (LMC) of the college from 2006 to 2009 and 2015.
- 10. Working as member Principal in the College Development Committee (CDC) of the SSBTs Arts Commerce and Science College, Bambhori, Jalgaon, MS from 01/007/2019 till date
- 11. Worked as an officiating principal of the institute in absence of the regular principal.
- 12. Worked as member of Proctorial Board since 2003.
- **13.** Worked as faculty advisor for Civil Engineering students association.
- 14. Worked as an class teacher of second year civil.
- **15.** Worked as member of time table in charge.
- **16.** Worked as Teacher Guardian for second year students.
- **17.** Worked as Exam Coordinator for Internal sessional exam.at Departmental level.

18. Worked for preparations of SAR reports for NACC and NBA.

**19.** Worked as Senior and Junior supervisor, paper setters, oral and practical exam. at University Exams,

19 Worked as Member of Various committees at University level including LIC, Selection committee as a V C Nominee, subject expert, BOS

20 Worked as Coordinator in Yuvaranga 2015, Jointly organized by the students welfare Department, KBCNMU, Jalgaon and SSBTs College of Engineering and Technology, , Bambhori, Jalgaon at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, 21 Worked as a Principal Incharge at SSPTs Arts Commerce and Science College

21 Worked as a Principal Incharge at SSBTs Arts Commerce and Science College, Bambhori, Jalgaon, MS from July 1 st 2019 to 31/12/2021.

22 Working as a regular and approved principal at SSBTs Arts Commerce and Science College , Bambhori, Jalgaon, MS from 01/01/2022 till date .

### **Books written:**

Written book titled "Elements of Civil Engineering" published by Everest Publications, Pune, MS.

I hereby declare solemnly that the information given herein is correct to the best of my knowledge and understanding.

Dr. Shivraj Laxmanrao Patil

Date: 20/01/2022 Place: Jalgaon

# Research Work Published in Daily News Papers

पंशोधक विद्यार्थी श्रेयस लांडे, विकास

बोरकर, अमोल

चौधरी सिमरनजीत

सिंग दिगवा, कांचन

पारील यांच्या सोबत

डॉ. एम. हसेन, डॉ.

एस, एल, पारील,





#### कॉक्रिटच्या निर्मितीत सिमेंटला पर्याय म्हणून रेड मडचा वापर करणे शक्य बांभोरी अभियांत्रिकीच्या विद्यार्थ्यांचे संशोधन ; नैसर्गिक स्त्रोत संवर्धनासही होईल मब्र

प्रतिनिधी । जळगाव अश्वगोगकीकरणासाठी ौसगिक लेताचा मोठ्या प्रमाणगर वापर करण्यात आहे. त्यामुळे ौसगिक कांत संपुष्टात येत आहे. त्यान कांकिटोकरणासाठी सिमंट्या सर्वायक श्राप होत आहे. त्यामुळे संगंटटण प्रयांव म्हणून अल्जुमितिअम कांगि तेटर पदार्थ आश्वात रेड मड्या वापर करता येड सकती. असे संशोधि कर वापर हो अभियातिकी संशित्त वापर हो अभियातिकी संशित्त विवायवीनि केळे आहे. सिमंट वापरताना त्यामध्ये सुमारे रेठ वर्क वापर हा अल्जिमितियम वेत्रट पदार्थ आर्थात रेड मड्या पुनर्वापरदेखील संहरू यार्थावा पुनर्वापरदेखील संहर पार्थायां पुनर्वापरदेखील संहर पार्थायां स्तारेड संशोधन सिक्तिक विवामान्या असय पाटील, पुरिश कामार्था, कतिया लांगीड व मास्ट्राप्ट योज्या वाव्याव्यांनी <u>सुनर पुराल</u> योज्या संहर्याच्या केले आहे. नैसर्गिक औद्योगिकीकरणासाठी

यथ ोश्री । ६ ला. नांनी

पदी



संशाधोन करणारे बांभोरी अभियांत्रिकीतील सिव्हिल विभागाच्या अक्षय पाटील, भूपेश कामराणी, कपिल जांगीड व मोहम्मद कुरेशी, प्रा.<u>एस.एल. पाटील</u> आदी.

२० टक्के रेड मडचा वापर

२० टराका रह महत्ता वापर बांबकमात वायरण्यात येणाऱ्या कोकिट्रमधील सिमेटचा पर्याय म्हणून २० टक्केप्रते रेड मङ्घा वापर केला जाऊ शकतो. देनदिन जीबनात निर्माण होणाऱ्या या नेस्मिकि घटकाची समस्याय संशोधनामुळे संपुष्टात आलंजे आणि त्याचा पात्मय वापर झाला. तसेव याज्या पुनर्वापरामुळे रेड मड जामानीत उद्यापयाझीदेखील गरज पडणार आहे.

असे केले संशोधन

असे CDC2 संशाधन कार्कृत त्यार करताना त्यात रेड मडच्या उपगोग करप्रयासाठी विविध प्रकारच्या चावण्या केत्या. त्यानंतर सिर्मेट, रेड मड २० टक्के, खडी, बाळ्या घेण्यात आल्या. त्यानंतर यसच्ची प्रसोग झाल्य. या प्रयोगातून कॉक्तिट बनवताना सिर्मेटला पर्याय उपलब्ध होत असल्याचे सिद्ध करूत दाखबण्यात आले आहे.