

# Sanjivani College of Engineering, Kopargaon

(An Autonomous Institute) Affiliated to Savitribai Phule Pune University.

At Sahajanand Nagar, Post Shingnapur-423603, Ta.: Kopargaon, Dist.: Ahmednagar (MS)

Approved by AICTE, ISO 9001-2015 Certified, Accredited by NBA, Accredited 'A' Grade by NAAC,

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## Department of Structural Engineering

### Research & Development Progress (2023-2024)

Period: JULY 2023 to JUNE 2024

#### 1. Journal Publications

##### 1.1. Faculty Journal Publication

S.No	Name of the Authors	Title of the Work	Journal/Proceeding Name	Publisher	DOI	Indexed in	Published date
	<b>23-24</b>						
1	Hrushikesh N. Kedar, Rushikesh Aware, Gauri Repale, Thakare Pankaj, Prerana Sangale	Optimizing industrial waste in road construction: a response surface methodology approach	Journal of Building Pathology and Rehabilitation	Springer	<a href="https://doi.org/10.1007/s41024-024-00419-1">https://doi.org/10.1007/s41024-024-00419-1</a>	Scopus	03/04/2024
2	Hrushikesh N. Kedar & Satyajit Patel	Effect of hydraulic binders on engineering properties of coal ash for utilization in pavement layers	Clean Technologies and Environmental policy.	Springer Link	<a href="https://doi.org/10.1007/s10098-024-02800-7">https://doi.org/10.1007/s10098-024-02800-7</a>	SCIE	28 March 2024
3	Harshada N. Wagh, Sanskruti U. Tambe, Sakshi S.Kote, Ganesh S. Jagtap	Integrated Waste Management System in Kopargaon	Tanz Research Journal	Tanz Research Journal	10.6084/doi.24.10.3.TANZ21875	Scopus	March 2024
4	Hrushikesh N. Kedar, Satyajit Patel, Sandesh S. Shirol	Bulk utilization of steel slag–fly ash composite: a sustainable alternative for use as road construction materials	Innovative Infrastructure Solutions	Springer	<a href="https://doi.org/10.1007/s41062-023-01325-0">https://doi.org/10.1007/s41062-023-01325-0</a>	Scopus/ES CI	29/11/2023
5	Anuja S. Jape, Atteshamuddin S. Sayyad	A hyperbolic theory for the analysis of laminated shallow shells with double curvature	Forces in Mechanics	ScienceDirect, Elsevier	<a href="https://doi.org/10.1016/j.finmec.2023.100246">https://doi.org/10.1016/j.finmec.2023.100246</a>	ESCI	14/11/2023

6	Atteshamuddin S. Sayyad, Ramiz A. Sayyad	A review of research on fiber reinforced concrete	Journal of Materials and Engineering Structures	Mouloud Mammeri University of Tizi-Ouzou		ESCI	13/10/2023
7	Rupali B Tamnar and A. S. Sayyad	Static response of functionally graded porous spherical shells using trigonometric shear deformation theory	Advanced Topics in Mechanics of Materials, Structures and Construction: AToMech1-2023	Materials Research Forum LLC	<a href="https://doi.org/10.21741/9781644902592-9">https://doi.org/10.21741/9781644902592-9</a>	Scopus/Conference Proceeding	01/09/2023
8	Ajim S Shaikh and A. S. Sayyad	Static and free vibration analysis of laminated sandwich shell with double curvature considering the effect of transverse normal strain	Advanced Topics in Mechanics of Materials, Structures and Construction: AToMech1-2023	Materials Research Forum LLC	<a href="https://doi.org/10.21741/9781644902592-6">https://doi.org/10.21741/9781644902592-6</a>	Scopus/Conference Proceeding	01/09/2023
9	Sumit S. Kolapkar, A. S. Sayyad	Static response of FGM shell using refined higher-order shear and normal deformation theory	Advanced Topics in Mechanics of Materials, Structures and Construction: AToMech1-2023	Materials Research Forum LLC	<a href="https://doi.org/10.21741/9781644902592-13">https://doi.org/10.21741/9781644902592-13</a>	Scopus/Conference Proceeding	10/08/2023
10	Anuja S. Jape, A. S. Sayyad	Static analysis of cross-ply laminated spherical shells using a new hyperbolic shear deformation theory	Advanced Topics in Mechanics of Materials, Structures and Construction: AToMech1-2023	Materials Research Forum LLC	<a href="https://doi.org/10.21741/9781644902592-76">https://doi.org/10.21741/9781644902592-76</a>	Scopus/Conference Proceeding	10/08/2023
11	A. S. Sayyad, Lazreg Hadji, Abdelouahed Tounsi	On the mechanics of FG nanobeams: A review with numerical analysis	Forces in Mechanics	Elsevier	<a href="https://doi.org/10.1016/j.finmec.2023.100219">https://doi.org/10.1016/j.finmec.2023.100219</a>	ESCI	14/07/2023
12	Latifa Ould Larbi, Mohamed Saad, Nafissa Zouatnia, Lazreg Hadji & Atteshamuddin S. Sayyad	A simple refined plate theory for buckling problems of in-plane bi-directional functionally graded plates with porosity under various boundary conditions	Mechanics of Advanced Materials and Structures	Taylor and Francis	<a href="https://doi.org/10.1080/15376494.2024.2346946">https://doi.org/10.1080/15376494.2024.2346946</a>	SCIE	16/05/2024
13	Rupali B. Tamnar & Atteshamuddin S. Sayyad	A refined shell theory considering the effects of transverse normal strain for the analysis of	Mechanics of Advanced Materials and Structures	Taylor and Francis	<a href="https://doi.org/10.1080/15376494.2024.2361462">https://doi.org/10.1080/15376494.2024.2361462</a>	SCIE	

		functionally graded porous shallow shells with double curvature					
14	Atteshamuddin S. Sayyad, Yuwaraj M. Ghugal, Tarun Kant	Quasi-3D flexural analysis of laminated composite plates resting on elastic foundations using higher-order displacement model	Progress in Engineering Science	Elsevier	<a href="https://doi.org/10.1016/j.pes.2024.100005">https://doi.org/10.1016/j.pes.2024.100005</a>		01/06/2024

## 1.2. Students Journal Publications

Name of the Authors	Title of the Work	Journal/Proceeding Name	Publisher	DOI	Indexed in	Published date
Pradosh P. Deshpande, Anuja S. Jape	Stress analysis of functionally graded nanobeams using hyperbolic theory	Materials Today: Proceedings	Elsevier	<a href="https://doi.org/10.1016/j.matpr.2023.06.218">https://doi.org/10.1016/j.matpr.2023.06.218</a>	Scopus/Conference Proceeding	29/06/2023
Om Talekar	Experimental study on hollow interlocking FaL-G bricks	Materials Today: Proceedings	Elsevier	<a href="https://doi.org/10.1016/j.matpr.2023.06.452">https://doi.org/10.1016/j.matpr.2023.06.452</a>	Scopus/Conference Proceeding	17/07/2023

## 2. Patents

### 2.1 Faculty Patents

S.No	Name of the Authors	Title of the patent	Status	Patent Date of Issue	Design No.
1	1.Dr. Vignesh V. 2. Ronak Rajendra Gugale 3.Vishwajit Prakash Jagtap 4.Mohiniraj Kailas Raut 5.SudhirBhaskarrao Gayake	CORE EXTRACTING AUGER : SOIL SAMPLING TOOL	Granted	22/03/2024	400726-001
2	1.Department Of Structural Engineering, Sanjivani College Of Engineering, Kopargaon 2. Sudhir Bhaskarrao Gayake 3.Sakshi Amol Rohamare 4.Muskan Javed Shaikh 5.Pratik Shamal Raskar 6.Shraddha Ashok Yadav	FLOW TABLE MEASURING SCALE	Granted	23/02/24	403505-001
3	1. Harshada Nilesh Wagh	Sanitary Bed	Granted	07/11/2023	337489-001

	2.Atteshamuddin Shamshuddin Sayyad 3.Machhindranath Sakhahari Purkar 4.Swanand Suresh Vispute				
4	1. Dr. T. S. Shanthi 2. T. S. Senthil 3. Prashant Sunagar 4. Dr. P. John Augustine	An AI Detection Face Recognition Access Control System	Granted	06/09/2023	387428-001
5	1.Sudhir Bhaskarrao Gayake 2. Pravin Ravindra Parhe 3.Shubham Vijay Jadhav 4.Saiprasad Gopalkrishna Gaikwad 5.Rushikesh Sanjay Kasar 6.Onkar Dattatray Kale 7.Pramod Suresh Sathe	Plastic bottle fiber cutter	Granted	13/12/2023	394103-001
6	1.Deepam Mahendra Patel 2. Dr. Atul K. Desai 3.Sudhir Bhaskarrao Gayake	EXTERNAL INVOLUTES FOR BUILDING FACADE	Granted	30/06/23	
7	1.Sudhir Bhaskarrao Gayake 2. Atul K. Desai	FIBER FOR REINFORCEMENT	Granted	16/02/2024	367896-001
8	1. Dr. Prashant Sunagar 2. Dr. J. Sumalatha 3. Dr. K. Rajalakshmi 4. Dr. SandeepPanchal	Solar Powered Seawater Desalination Apparatus	Granted	01/12/2023	396724-001
9	1.Akash Namdeo Gholap 2. Amol Dnyaneshwar Wable 3.Sudhir Bhaskarrao Gayake	MULTI-KEY HOLDER	Granted	20/02/24	402663-001
10	1.Sudhir Bhaskarrao Gayake 2. Atul K. Desai	FIBER FOR REINFORCEMENT	Granted	16/02/2024	367897-001
11	1. Bachhav Herambh Bajirao 2. Yadav Neha Shankar 3. Petare Kaustubh Dilip 4. Mahajan Valmik Madhav 5. Sudhir Baskarrao Gayake	Dual Purpose Rotating Exhaust Fan	Granted	05/09/2023	387355-001
12	Ms L P Sajitha Dr C Amutha Devi Dr S Amudha Mr S Dhivagar 5. Dr Prashant Sunagar	AI BASED WALL CLIMBING INDUSTRIAL ROBOT	Granted	14/03/2024	402795-001

13	Dr Ramesh Shahabadkar Dr Srinivas Babu P .Dr R Manikandan Dr N Nalini Dr Prashant Sunagar .Dr Venkata Ramana Kaneti	MOTION DETECTION DEVICE FOR INSPECTION ROBOT VEHICLE	Granted	15/03/2024	404699-001
14	Dr Prashant Sunagar .Dr Sahil Sanjeev Salvi .Dr M D Mohan Gift .Dr P Suresh Kumar Mr P Ragupathi	DEVICE FOR ELECTRICITY GENERATION FROM WASTE WATER TREATMENT	Granted	14/03/2024	402800-001
15	Dr. Sudhir Anakal Dr. S. Praveen Kumar Dr. Prashant Sunagar	DRONE FOR FIRE EXTINGUISHER	Granted	09/02/2024	397066-001
16	.Dr. Manoj Kumar Nigam Ms. Debashree Bhattacharya Dr. Shailesh M. Deshmukh Dr. Manoj R. Hans Dr. Prashant Sunagar	DIGITAL BATTERY CHARGER	Granted	09/02/2024	401975-001
17	Dr Mahesh Kumar Maharudrappa Meenkera Dr. Prashant Sunagar Dr Dvsssv Prasad Adv Vishal A Ingole	REALTIME TAX MANAGEMENT TABLET	Granted	31/01/2024	397874-001
18	Shailendra Kumar Bohidar Dr Lakshmi Tulasi Chavali Abhishek Yadav Dr D Premnath Dr Prashant Sunagar	ARTIFICIAL INTELLIGENT BASED PEST CAPTURING AGRICULTURE MACHINE	Granted	25/01/2024	400215-001
19	Dr Yagya Dutta Dwivedi Dr K S Raghuram Dr Sekar K Dr J Ananth Dr Prashant Sunagar	ROOFTOP WIND TURBINE WITH CONICAL TUNNEL	Granted	19/01/2024	400788-001
20	Dr. G. Murugan Dr. N. Shanmugapriya .Mrs. V. Vijayalakshmi Dr. A. Yovan Felix Dr. Prashant Sunagar	IOT BASED PORTABLE HYGIENIC HEALTH MONITORING SYSTEM	Granted	25/01/2024	399390-001
21	Dr. Sampath Boopathi	IOT BASED AUTOMATIC	Granted	19/01/2024	398494-001

	Mr. K. Raja Karthikeyan Dr. Chetan Jaiswal Mr. Rahul Dabi Dr. Prashant Sunagar	COOLING TOWER			
22	Swarnalatha Dr G Venkatesan Dr K Suresh Dr Prashant Sunagar Mrs Raksha S	SERVO AMPLIFIER CONTROL DEVICE	Granted	18/01/2024	398500-001
23	Dr. Prashant Sunagar Mr Krishnagandhi Pachiappan Dr Rakesh Kumar Pandey Dr A Kistan Dr P Duraipandy	DEVICE FOR ELECTRICITY GENERATION FROM WASTE WATER TREATMENT	Granted	19/01/2024	397072-001
24	Dr Sampath Boopathi Dr R Dharmaprakash, Mr Md Sajid Mr Naveena M P, Dr Prashant Sunagar	SOLAR POWERED COLD ROOM	Granted	05/01/2024	397873-001
25	Dr Sudhir Anakal Mr Chennaiah Kate Dr Prashant Sunagar Dr S Rukmani Devi	MACHINE LEARNING BASED CHIP CONTROL OXYGEN CONCENTRATOR WITH FILTER	Granted	11/01/2024	397068-001
26	Danamaraju Jyothi M R Dr. Prashant Sunagar D. Elamvazhudhi Dr. C.S. Sundar A	SOLAR POWERED FLOOR CLEANING ROBOT	Granted	10/01/2024	399398-001
27	Sudhir Bhaskarrao Gayake Anuja Sanjay Jape Sagar Dattatray Turkane Rajendra Bhimraj Gaikwad	DUAL HEADED STRIKER FOR IMPACT APPARATUS	Granted	02/04/2024	378459-001
28	Atteshamudin Shamshuddin Sayyad Akshay Devchand Hagwane Pradnya Vasant Kadam	VERTICAL POINT LOCATOR	Granted	11/01/2024	317591-001
29	Sanjivani College Of Engineering, Kopargaon Mr. Shripad Babasaheb Mate Ms. Bharti Machhindra Shinde	HIGH STRENGTH REINFORCEMENT TIE	Granted	08/05/2024	358611-001
30	Dr. Thupakula Bhaskar	ARTIFICIAL INTELLIGENCE	Granted	18/04/2024	405944-001

	Dr. S. Uma Maheswari Dr. V. S. Chandrika Dr. J. Joselin Jeya Sheela Dr. Prashant Sunagar Mrs. Vaidhegi M	BASED HUMANOID ROBOT FOR SURVEILLANCE AND SECURITY			
31	Mr. K. Ch. Sekhar Mr. K. Raja Karthikeyan Mr. Jayaprakash Venugopal Mr. Singuru Madhavarao Dr. Prashant Sunagar Dr. Arun Kumar Gupta	MOVING CAR POLLUTION DETECTION DEVICE	Granted	18/04/2024	407752-001
32	Dr. Narayana G Niranjan G Hiremath Raje Gowda Dr. Prashant Sunagar S G Teggi Dr. Sreekesava K S	SAFETY HELMET WITH CAMERA AND SOLAR POWERED FAN FOR CONSTRUCTION WORKERS	Granted	18/04/2024	408343-001

### 3. Books/Book Chapter

S. No.	Name of the authors	Book title	Chapter title	ISBN Number	Publication House	Published on
1	Dr. Prashant Sunagar	Building Services	-	978-81-19140-08-4	RK Publication	15/09/2023
2	Dr. Prashant Sunagar, Mr. Shivaraj G Nayak, Dr. S. Hemavathi, Dr. Sushilkumar Magade	Elements of Civil Engineering	-	978-93-5757-336-8	Scientific International Publishing House	23/06/2023
3	Sagar D. Turkane, Arti A. Wagh, Rau N. Dohale, Komal N. Shinde, Dinesh M. Pandhure & Abhay A. Bhagat	Best Practices in Geotechnical and Pavement Engineering	Mechanical Strength of Local Soil Enhanced by Hybrid Saw Dust Ash	978-981-99-8505-0	Springer, Singapore	24/01/2024
4	Vedant N. Nawale, Rutuja A. Girme, Tejal V. Sonawane, Shubham A. Wagh & Atteshamuddin S. Sayyad	Best Practices in Geotechnical and Pavement Engineering	Experimental Investigation on Cold Mix for Road Construction Using Granite Aggregates and Rubber Waste	978-981-99-8505-0	Springer, Singapore	24/01/2024
5	Snehal V. Waghchaure, Priyanka A. Rakshe, Rutika S. Jadhav, Rutuja A. Gavhane & Bharti M. Shinde	Best Practices in Geotechnical and Pavement Engineering	Utilization of Construction and Demolition Waste Material in Low Volume Road Construction: Experimental	978-981-99-8505-0	Springer, Singapore	24/01/2024

			Study			
6	Shaikh, S.S., Wani, Y.A., Sonawane, S.S., Pagar, A.P., Gunjal, S.M.	Recent Advances in Structural Engineering	Use of Coconut Coir Fibre in Limestone Calcined Clay Cement (LC3) Concrete	978-981-99-9502-8	Springer, Singapore	28 March 2024

#### 4. Awards:

S.No	Academic Year	Name of the Faculty	Title of the Award	Name of Authority
1	2023-24	Dr. A. S. Sayyad	Recognized and listed among the top 2% of Scientists globally.	-
2	2023-24	Prof. S.B. Gayake	“Promising Engineer Award” Awarded in September 2023.	Institution of Engineers
3	2023-24	Dr. A. S. Sayyad	Best Teacher Award (Professional Courses) - Rural Area for the year 2023-24.	University Foundation Day Awards of Savitribai Phule Pune University.

#### 5. FDP/ Seminar/ Workshop/ STTP attended:

<u>S.No</u>	Name Of Faculty	Name of Organizing Institute/AICTE/ISTE	Title of FDP	Duration	Start Date	End Date
1	Dr.V.Vignesh	AICTE	Inculcating Universal Human Values in Technical Education	3 days	Aug 10 2023	Aug 12 2023
2.	Mr. S. S. Kolapkar	NPTEL-AICTE	Admixtures and Special Concretes	12 Week	July-2023	October-2023
3	Dr.V.Vignesh	Utec by Ultratech	Seminar on “Challenges in making durable concrete”	1 day	Aug 30, 2023	Aug 30, 2023
4	Dr.V.Vignesh	Ultratech cement Ltd	Seminar on “Design and construction Aspect of thin white topping technology for roads”	1 day	Sep 9, 2023	Sep 9, 2023
5	Dr.V.Vignesh	ASCE	Seminar on “The Next Wave in Geotechnical Engineering: Exploring the power of AI”	1 day	Dec 11, 2023	Dec 11, 2023
6	Dr.V.Vignesh	VIT, Vellore	Seminar on “Recent Trends in Literature”	1 day	Dec 9, 2023	Dec 9, 2023
7	Dr. N. S. Naik	D.Y. Patil College of Engineering, Akurdi Pune	FDP on effective drafting of Research and IPR	One Week	Dec.18,2023	Dec 23,2023



8	Dr. N. S. Naik	Structural Engineering Forum of India.	One day seminar on IS16700:2023	1 day	Dec 9,2023	Dec 9,2023
9	Apurwa Yawale	Sanjivani College of Engineering, Kopergaon	“Inculcating Universal Human Values in Technical Education”	3 day	Aug 10,2023	Aug 12,2023
10	Apurwa Yawale	D.Y.Patil college of Engineering Akurdi, Pune	Effective drafting of Research and IPR	1 Week	18 Dec,2023	22 Dec,2023
11	Sudhir Bhaskarrao Gayake	NPTEL	Advanced Reinforced Concrete Design	12 Week	Jul-Oct 2023	Oct 2023
12	Sudhir Bhaskarrao Gayake	Aditya College of Engineering, (A)	Publication, Projects (Funded) and Patents	1 week	7-12 July 2023	July 2023
13	Sudhir Bhaskarrao Gayake	PCET’s PCCOE, Pimpri Chinchwad, Pune	One Week Faculty Development Program on “Advanced Excel for Data Analytics- Hands on”	1 Week	7-12 Aug 2023	Aug 2023
14	Dr. S. M. Gunjal	Navsahyadry Group of Institutions Pune	One week Faculty development program on Innovative Practices in teaching learning process	1 week	19 Dec, 2023	23 Dec, 2023
15	Dr. S. M. Gunjal	D.Y. Patil College of Engineering, Akurdi Pune	FDP on effective drafting of Research and IPR	1 Week	Dec.18,2023	Dec 23,2023
16	Rajani Jagannath Vyawahare	SND College of Engineering and Research Center, Babhulgaon, Yeola	FDP on Clean Engineering Material	1 Week	18 Dec 2023	23 Dec 2023
17	Rajani Jagannath Vyawahare	Yashoda Technical Campus, Satara	FDP on Advancement in Geotechnical and Foundation Engineering	3 Days	28 Dec 2023	30 Dec 2023
18	Rajani Jagannath Vyawahare	Civilera	Structural basics and Stability	1 day	30 Dec 2023	30 Dec 2023
19	Dr.V.Vignesh	Yashoda Technical Campus, Satara	FDP on Advancement in Geotechnical and Foundation Engineering	3 Days	28 Dec 2023	30 Dec 2023
20	Dr.V.Vignesh	Civilera	Structural basics and Stability	1 day	16 Dec 2023	16 Dec 2023
21	Mahewish Riyaz Shaikh	SND College of Engineering and Research Center, Babhulgaon, Yeola	FDP on Clean Engineering Material	1 Week	18 Dec 2023	23 Dec 2023
22	Mahewish Riyaz Shaikh	Yashoda Technical Campus, Satara	FDP on Advancement in Geotechnical and Foundation Engineering	3 Days	28 Dec 2023	30 Dec 2023
23	Anuja Sanjay Jape	Department of Civil Engineering, Sanjivani College of Engineering, Kopergaon	Strengthening Concrete through Waste Materials, Techniques and Design	1 Week	2nd May 2024	7th May 2024

24	Bharati M. Shinde	D.Y.Patil college of Engineering Akurdi, Pune	Effective drafting of Research and IPR	1 Week	18 Dec,2023	22 Dec,2023
25	Dr. Nitin S. Naik	NITTTTR, Chennai	PDP on Counseling for Student Development	1 Week	16 Jan. 2024	20 Jan.2024
26	Dr.A.S.Sayyad	A.G.Patil College of Technology, Solapur	Research Paper Writing and IP Rights	3 Days	18 Jan. 2024	20 Jan.2024
27	Hrushikesh N. Kedar	AICTE	Inculcating Universal Human Values in Technical Education	3 days	Aug 10 2023	Aug 12 2023
28	Dr. A. S. Sayyad	Hindustan Institute of Technology & Science, Chennai	Recent Advances in Structural Engineering	5 Days	6th May 2024	10th May 2024

#### 6. Conference Attended:-

Sr No	Author	Date of Conference	Name of Authors	Title of Paper	International/ National	Name of Conference	Organized by
1	PRASHANT SUNAGAR	8th to 10th December, 2023	RUSHIKESH GHODEKAR, PRASHANT SUNAGAR, PIYUSH	Research and Practice on Progressive Collapse and Robustness of Reinforced Concrete Frame Structures by Linear Static Analysis	International Conference	Modern Trends in Civil Engineering Infrastructure Development and Management (MTCEIDM) 2023	Department of Civil Engineering, B.M.S. College of Engineering, Karnataka, India.
2	PRASHANT SUNAGAR	8th to 10th December, 2023	Bhagure Aditya Yele Mahesh Pawar Shrutika Jadhav Saurabh Prashant Sunagar	Advances in Structural Systems for Tall Buildings: Emerging Developments using Exterior Bracing and Diagrid Systems	International Conference	Modern Trends in Civil Engineering Infrastructure Development and Management 2023	Department of Civil Engineering, B.M.S. College of Engineering, Karnataka, India.
3	Hrushikesh N. Kedar	25-27 Oct. 2023	Hrushikesh N. Kedar	Use of steel slag in pavements	International Conference	Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering	National Institute of Technology (NIT), Jalandhar
4	Anuja Sanjay Jape	8th to 10th December, 2023	Shradhha Arane, Sayali Nehe, Aniket Gaikwad	STATIC ANALYSIS OF FGM BEAM USING POLYNOMIAL BEAM THEORY	International Conference	Modern Trends in Civil Engineering Infrastructure Development and Management (MTCEIDM) 2023	Department of Civil Engineering, B.M.S. College of Engineering, Karnataka, India.
5	Bharti M. Shinde	8th to 10th December, 2023			International Conference	Modern Trends in Civil Engineering Infrastructure	Department of Civil Engineering, B.M.S. College of

						Development Management (MTCEIDM) 2023	and	Engineering, , Karnataka, India.
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### 7. Industrial / Software Training attended-

<u>Sr. No</u>	Name of Faculty	Organized By	Title	Duration	Start Date	End Date
01	Dr. N. S. Naik	Think Tech Engineers Pune	Revit MEP	40 Hours	01 July 23	30 July 23
02	Dr. N. S. Naik	The NSICL	Industrial Training of ETABS	15 days	08 Jan 24	22 Jan 24
03	Dr.B.M.Shinde	The NSICL	Industrial Training of ETABS	15 days	08 Jan 24	22 Jan 24
04	Prof.A.S.Jape	The NSICL	Industrial Training of STAAD Pro	15 Days	25/09/24	09/10/24

### 8. Research Projects/ Schemes Submitted/ undertaken by Teachers

Sr. No.	Name of Investigator (With Co PI)	Title of the Research Project/ Scheme	Name of funding agency	Duration of project/scheme	Amount Sanctioned / Quoted	Status
1	Dr.Prashant Sunagar (PI) Dr.V.Vignesh (Co-PI)	Innovative Incorporation of Mine Tailings as a Sustainable Alternative to Traditional Aggregates in Self-Compacting Concrete Formulations	SERB-SURE	36 Months	29,96,000	Submitted
2	Dr.Sachin Madhavrao Gunjal (PI) Dr. Nitin Naik (Co-PI)	Use of Calcined Clay-Limestone Cement Concrete with Coir and PET Fiber along With Mineral Admixture (Silica Fume) for Sustainable Development	SERB-SURE	36 Months	30,56,000	Submitted
3	Dr.V.Vignesh (PI)	3 Days FDP on “Emerging Trends in Geotechnical Engineering for Structural Applications”	CSIR-SYMPOSIA Grant	3 Days	45,000	Submitted
4	Dr.B.M.Shinde (PI) Prof. Anuja Jape (Co-PI)	Investigating Concrete Performance: Nanomaterial-Based Approach to Permeability and Strength Analysis	SERB-POWER	36 Months	29,96,000	Submitted

## 9. Lectures Delivered as Guests.

<u>S. No</u>	Name of Faculty	Name of the Organizing Institute	Title of the Lecture Delivered	Type of Event	Lecture Delivery Date	Session or duration
1	Dr.A.S.Sayyad	D Y Patil College of Engineering, Akurdi, Pune	Effective drafting of research paper using advanced tool	1 Week FDP	21st December 2023	11:30 pm to 1:30 pm
2.	Dr. A. S. Sayyad	Sandip Institute of Technology and Research Center, Nashik	Multi-disciplinary Applications of Functionally Graded Materials: An Overview	1 Week FDP	18th May 2024	2:30 pm to 4:30 pm

**R&D Coordinator**

**HoD/Structural**