

	<b>Sanjivani Rural Educational Society's SANJIVANI COLLEGE OF ENGINEERING</b> (An Autonomous Institution) Kopargaon – 423 603, Maharashtra.	<b>ACAD-F-30</b>
<b>Academic Year: 2024-2025</b>	<b>ACADEMIC RESEARCH</b>	<b>Revision : 00 Dated : 01.01.2024</b>
<b>Term – I and II</b>	<b>Department: Structural Engineering</b>	<b>Date of Preparation</b>

### Semester:- I & II

Sr No.	Name of the Faculty	Paper Title	Conference/ Journal Name	Venue/Vol. & Issue No.	ISSN No	ISBN No	Page No (from-to)	Date, Month and Year of publication	DOI/Link
1	Prof SB Gayake	Innovative solutions for potential use of waste polyethylene terephthalate bottle cap as aggregates in concrete	Innovative Infrastructure Solutions	Volume 9, article number 314, (2024)	2364-4184	2364-4176	1-14	July 2024	<a href="https://doi.org/10.1007/s41062-024-01623-1">https://doi.org/10.1007/s41062-024-01623-1</a>
2	Prof SB Gayake	Optimising Concrete Mixtures through Multi-Criteria Decision Making: A Focus on Splitting Tensile Strength in Partially Set Concrete	Journal of Materials and Engineering Structures	Volume 11, No 2 (2024)	2170-127X	2170-127X	143-154	Aug 2024	<a href="https://revue.ummto.dz/index.php/JMES/article/view/3504/pdf">https://revue.ummto.dz/index.php/JMES/article/view/3504/pdf</a>
3	Dr. B. M. Shinde	Utilization of waste materials for soil stabilization: A comprehensive review	Progress in Engineering Science	Volume 1	2950-4252	–	1-9	July 2024	<a href="https://doi.org/10.1016/j.pes.2024.100009">https://doi.org/10.1016/j.pes.2024.100009</a>
4	Dr.S.M.Gunjal	A four unknown non-polynomial theory for the free vibration of angle-ply plates	Progress in Engineering Science	Volume 1	2950-4252	-	1-8	October 2024	<a href="https://doi.org/10.1016/j.pes.2024.100012">https://doi.org/10.1016/j.pes.2024.100012</a>
5	HN.Kedar	Use of Stabilized Steel Slag in Pavements	Lecture Notes in Civil Engineering. Geoenvironmental Engineering (EGRWSE 2023)	508		978-981-97-3823-6	33-42	21/08/2024	<a href="https://doi.org/10.1007/978-981-97-3823-6_4">https://doi.org/10.1007/978-981-97-3823-6_4</a>


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6	Dr.B.M.Shinde	Assessment of a new higher-order shear and normal deformation theory for the static response of functionally graded shallow shells	Curved and Layered Structures	11(1)	2353-7396		In Press	21/10/24	<a href="https://doi.org/10.1515/cis-2024-0014">https://doi.org/10.1515/cis-2024-0014</a>
7	Prof SB Gayake	Utilization of copper slag as fine sand replacement in concrete: a response surface methodology approach	Discover Civil Engineering	129	2948-1546		In Press	26/11/24	<a href="https://doi.org/10.1007/s44290-024-00135-2">https://doi.org/10.1007/s44290-024-00135-2</a>
8	H.N.Kedar	Optimization and characterization of lime and GGBS treated fly ash for sustainable road pavement applications	Multiscale and Multidisciplinary Modeling, Experiments and Design	8:91	2520-8179		1-14	05/12/2024	<a href="https://doi.org/10.1007/s41939-024-00676-0">https://doi.org/10.1007/s41939-024-00676-0</a>
9	S.S.Kolapkar and Atteshamuddin S. Sayyad	Static analysis of functionally graded shells of double curvature using trigonometric shear and normal deformation theory	Mechanics of Advanced Materials and Structures		1537-6494			31/12/2024	<a href="https://doi.org/10.1080/15376494.2024.2445216">https://doi.org/10.1080/15376494.2024.2445216</a>
10	S.S.Kolapkar and Atteshamuddin S. Sayyad	Effects of transverse normal strain on the bending response of FGM plates under the action of thermomechanical loading	Progress in Engineering Science	2(1)	2950-4252		100053	13/01/2025	<a href="https://doi.org/10.1016/j.pes">https://doi.org/10.1016/j.pes</a>
11	Anuja S. Jape and Atteshamuddin S. Sayyad	Free Vibration Analysis of Anti-Symmetric Angle-Ply Laminated Shells Using a Modified Hyperbolic Shear Deformation Theory	Journal of Vibration Engineering & Technologies	13:177	2523-3939			01/02/2025	<a href="https://doi.org/10.1007/s42417-024-01619-2">https://doi.org/10.1007/s42417-024-01619-2</a>
12	Sudhir Bhaskarrao Gayake, Shubham V. Jadhav,	Multi-criteria analysis of impact strength in concrete with PET bottle waste additives	International Journal of Structural	15(1)	1758-7328		69-87	10/02/25	<a href="https://doi.org/10.1504/IJSTRUCTE.2025.144371">https://doi.org/10.1504/IJSTRUCTE.2025.144371</a>


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	Saiprasad G. Gaikwad, Rushikesh S. Kasar and Pravin R. Parhe and Atul K. Desai		Engineering						
13	N.S. Naik, A.S. Sayyad, B.M. Shinde	Bending of laminated composite and sandwich beams considering transverse shear and normal deformation effect	Next Research	2 (1)	3050-4759	-	100291	25/03/2025	<a href="https://doi.org/10.1016/j.nexres.2025.100291">https://doi.org/10.1016/j.nexres.2025.100291</a>
14	Bharti M. Shinde, Atteshamuddin S. Sayyad, Nitin S. Naik & Lazreg Hadji	Fifth-order shear and normal deformation theory for static analysis of functionally graded porous shells of double curvature	Mechanics of Advanced Materials and Structures	In press	1537-6494	-		07/04/25	<a href="https://doi.org/10.1080/15376494.2025.2482176">https://doi.org/10.1080/15376494.2025.2482176</a>


Title	Count
International Journal	13
National Journal	-
International Conference	1
National Journal	0

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Sr. No.	Name of the Authors	Patent/Co pyright	Registration Number	Name of IPR	Filing Date	Publication Date	Granted Date
1	1.Prof. Vikram Santosh Singh 2.Dr Bharti Machhindra Shinde	Patent	417536-001	Spacing Correction Instrument For Slab (Equinaap)	21/5/24	22/8/24	22/8/24
2	1. Sanjivani College Of Engineering 2. Tejal Vishwas Sonawane 3. Priyanka Ashok Rakshe 4. Bharti Machhindra Shinde	Patent	384191-001	Hyperhidrosis Gloves	18/04/2023	20/09/2024	20/09/2024
3	1. Sanjivani College Of Engineering, Kopargaon 2. Dr. Vignesh V 3. Gauri Santosh Repale 4.Prerana Vilas Sangale 5.Shraddha Dattatray Arane 6.Sanket Dnyandeo Asane 7.Tejas Navnath Darunte 8.Sudhir Bhaskarrao Gayake	Patent	427042-001	Brick Laying Cum Leveler Tool	14/08/2024	03/10/2024	03/10/2024
4	1.Sanjivani College of Engineering, Koargaon 2. Ghumare Shanatarm M. 3. Sayyad Atteshamuddin S. 4. Patankar SubhashV.	Patent	365035-001	Brick With Electrical Fittings Slot	30/05/22	22/10/24	22/10/24
5	1.Sanjivani College of Engineering, Kopargaon 2. Nitin Shankarrao Naik	Patent	384173-001	Adjustable Clothing Stand	18/04/2023	02/01/2025	02/01/2025

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	3. Dharmesh Meherkhamb						
6	1.Sardar Vallabhbbhai National Institute of Technology, Surat 2.Shinghod Bharatbhai B. 3.Pradeep Kumar Verma 4.Singh Prakash Abhiram 5.Yogesh Deoram Patil.	Patent	411458-001	Star Ribbed Headed Stud Shear Connector	23/03/2024	02/01/2025	02/01/2025
7	1. Sanjivani College Of Engineering, Kopergaon. 2. Rushikesh Sanjay Kasar 3.Shubham Vijay Jadhav 4.Pravin Ravindra Parhe 5.Sachin Madhavrao Gunjal 6.Atteshamuddin Shamshuddin Sayyad	Patent	384171-001	Pole Climber Apparatus	18/04/2023	17/01/2025	17/01/2025
8	1.Akash Namdeo Gholap 2. Sachin Madhavrao Gunjal 3.Suyog Gorakshnath Patare 4.Rohit Shyam Vairal 5.Ashish Ambadas Meherkhamb 6.Pratiksha Ashok Tupke 7.Kaveri Ramrao Sanvatsarkar	Patent	434637-001	Multi-Tool Plier	17/10/2024	09/01/2025	09/01/2025
9	1.Sanjivani College Of Engineering, Kopergaon 2. Miss. Divya R. Kshirsagar 3.Miss. Snehal V.Waghchaure	Patent	384183-001	Parapet Wall Mortar Leveller	18/04/2023	17/01/2025	17/01/2025

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	4.Mr. Sumit S. Kolapkar 5.Mr. Atteshamuddin S. Sayyad						
10	H.N. Wagh and A.S. Sayyad	Copyright	L-160350/2025	Project Policy	26/04/2024	03/02/2025	Nil
11	1.Sanjivani College Of Engineering, Kopargaon 2. Sanghavi Bhushan Santosh 3.Gite Akshay Bhausahab 4.Gunjal Sachin Madhvrao	Patent	384175-001	Bar Bending & Stirrup Making Instruments	18/04/2023	13/02/2025	13/02/2025
12	1.Abhay Ramakant Warkad 2. Sanket Ramesh Sable 3.Sudhir Bhaskarrao Gayake	Patent	403666-001	Lego Shape Brick Mold	02/01/2024	25/04/2024	25/04/2024
13	1.Sanjivani College Of Engineering, Kopargaon 2. Dr. Vignesh V 3.Tejas Navnath Darunte 4.Sanket Dnyandeo Asane 5.Gauri Santosh Repale 6.Prerana Vilas Sangale 7.Damale Ashwini Sainath 8.Vedant Vilas Sangale 9.Sudhir Bhaskarrao Gayake	Patent	431785-001	Adjustable Brick Laying Cum Leveler Tool	26/09/2024	17/02/2025	17/02/2025

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14	1. Department Of Structural Engineering, Sanjivani College Of Engineering, Kopargaon 2. Kunal Arun Aher 3. Sudhir Bhaskarrao Gayake	Patent	415118-001	Bar Bending Cum Binding Tool	27/04/2024	12/03/2025	12/03/2025
15	1. Nitin Shankarrao Naik 2. Prasad Santosh Aher 3. Snehal Satish Aher 4. Sanika Sanjay Bombe 5. Omkar Prakash Dahale	Patent	443969-001	Curvilinear Motion Apparatus	13/01/2025	28/03/2025	28/03/2025

**Summary:**

<b>Title</b>	<b>Count</b>		<b>Title</b>	<b>Count</b>
Total No. of Patents	14		Total No.of Copyrights	1
Filed	Nil		Filed	Nil
Published	Nil		Published	1
Granted	14		Granted	Nil