

3.4.4 Number of books and chapters in edited volumes/books published per teacher during the last five years (5)

3.4.4.1: Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year wise during last five years =217

Sl. No	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
CIVIL										
1	SUJIT KUMAR PRADHAN	Airfield and Highway Pavements 2019: Testing and Characterization of Pavement Materials	Effectiveness of polanga oil as rejuvenator for asphalt with high RAP content.	International airfield and highway pavement conference		INTERNATIONAL	2019	https://doi.org/10.1061/9780784482469.012		ASCE
2	SUJIT KUMAR PRADHAN	Materials today, proceeding	Performance Assessment of Pervious Concrete Road on Strength and Permeability by using Silica Fume	Sustainable materials and practices for build environment (SMPBE-2021)	SMPBE-2021	INTERNATIONAL	2022	https://doi.org/10.1016/j.matpr.2022.02.018		Elsevier
3	SUJIT KUMAR PRADHAN	Materials today, proceeding	Utilization of reclaimed asphalt pavement (RAP) as granular sub-base material in road construction	Sustainable materials and practices for build environment (SMPBE-2021)	SMPBE-2021	INTERNATIONAL	2022	https://doi.org/10.1016/j.matpr.2021.12.564		Elsevier
4	A. K. Bhoi, J N MANDAL, A. JUNEJA	Circular Economy in the Construction Industry	Interface Shear Strengths between Bagasse ash and Geogrid	Proceeding of “9thIconSWM-CE 2019, India.	9thIconSWM-CE 2019, India.	INTERNATIONAL	2019	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003217619-21/interface-shear-strengths-bagasse-ash-geogrid-aditya-kumar-bhoi-jnanendra-nath-mandal-ashish-juneja eISBN-9781003217619	IGIT Sarang, IIT Bombay	
5	Sahu, S. K., and Sahoo, D. R.,	Case Studies in Construction Materials	Shear behaviour of non-prestressed concrete beams reinforced with high-strength steel stirrups”	5th International Bridge Conference (5IBC 2019), Tehran, Iran.		INTERNATIONAL	2019			
6	Sahu, S. K., and Sahoo, D. R.	Journal of Structural Engineering	Suitability of high-strength steel as shear reinforcement in concrete beams”	16th Symposium on Earthquake Engineering (16SEEE), IIT Roorkee		INTERNATIONAL	2018	Paper no 268		
7	Kar R K and Kar Manaswinee		Rural connectivity through PMGSY in India,	Proceedings International conference on transportation infrastructure Projects- Conception to execution, IIT, Roorkee		INTERNATIONAL	2019		IIT, Roorkee	
8	Bikash Chandra Panda		Unconfined Compressive Strength of Geopolymer Cement	International Conference on Artificial Intelligence in Manufacturing & Renewable Energy (ICAIMRE) 2019	ICAIMRE-2019	INTERNATIONAL	2019	http://dx.doi.org/10.2139/ssrn.3551123		

9	SUJIT KUMAR PRADHAN	Materials today, proceeding	Utilization of reclaimed asphalt pavement (RAP) as granular sub-base material in road construction	Sustainable materials and practices for build environment (SMPBE-2021)	SMPBE-2021	INTERNATIONAL	2022	https://doi.org/10.1016/j.matpr.2021.12.564		Elsevier
10	Aditya Kumar Bhoi	Advancements in Unsaturated Soil Mechanics	Feasibility Study of Bagasse Ash as a Filling Material		GeoMEast 2019	INTERNATIONAL	2019	978-3-030-34206-7 https://link.springer.com/chapter/10.1007/978-3-030-34206-7_7		Springer Nature, Switzerland
11	SUJIT KUMAR PRADHAN	5th International symposium on asphalt pavement & environment, Lecture notes in Civil Engineering,	Impacts of recycling agent on superpave mixture containing RAP.	Proceedings of the 5th International Symposium on Asphalt Pavements & Environment (APE)	International Airfield and Highway Pavements Conference 2019	INTERNATIONAL	2020	ISBN-978-3-030-29779-4 https://link.springer.com/chapter/10.1007/978-3-030-29779-4_24		Springer Nature, Switzerland
12	SUJIT KUMAR PRADHAN	Lecture Notes in Civil Engineering, Springer	Effect of Softer Binder on Bituminous Mixture Containing Reclaimed Asphalt Pavement (RAP) Material	International Conference on Recent Developments in Sustainable Infrastructure: Research and Practices (ICRDSI 2020),	ICRDSI 2020	INTERNATIONAL	2020	ISBN-978-981-16-7509-6 https://link.springer.com/chapter/10.1007/978-981-16-7509-6_6		KIIT
13	A. K. Bhoi, J. N. Mandal, A. Juneja	Advancements in Unsaturated Soil Mechanics, CHAPTER - Feasibility Study of Bagasse Ash as a Filling Material	Feasibility Study of Bagasse Ash as a Filling Material	Proceedings of the 3rd GeoMEast International Congress and Exhibition, Egypt 2019 on Sustainable Civil Infrastructures – The Official International Congress of the Soil-	GeoMEast 2019, Egypt	INTERNATIONAL	2020	Print ISBN: 978-3-030-34205-0, Electronic ISBN: 978-3-030-34206-7 https://link.springer.com/chapter/10.1007/978-3-030-34206-7_7	IIT Bombay	Springer International Publishing
14	Sahu, S. K., and Sahoo, D. R.,		Monotonic Behavior of Rc Beams With High-Strength Steel Shear Stirrups”	fib Symposium 22-24 Nov, 2020 Shanghai China.		INTERNATIONAL	2020	Page no.634-639	IIT DELHI	Sanghai China.
15	PRATIK ACHARYA, T.K. NATH, RAMBABU NIMMA	LECTURE NOTES IN INTELLIGENT SYSTEMS , ICIMIB 2020	Sediment rating curve and sediment Concentration Estimation for Mahanadi river.	Intelligent Systems, Springer Link	ICMIB 2020	INETRNATIONAL	2020	PAGE-95-104, ISBN: 978-981-33-6081-5 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_9	IGIT Sarang,	SPRINGER, LNNS-VOLUME 185
16	SUJIT KUMAR PRADHAN	Lecture Notes in Civil Engineering, Springer	Evaluation of Cloth Bag and Gunny Bag as Potential Reinforcing Materials for Pond Ash.	International Conference on Construction Materials and Environment, 2021 (ICCME 2021)	ICCME-2021	INTERNATIONAL	2021	ISBN-978-981-16-6557-8 https://link.springer.com/chapter/10.1007/978-981-16-6557-8_31		Springer Nature, Singapore
17	A Rath, G K Pothal	Lecture Notes in Civil Engineering, Springer	Evaluation of Cloth Bag and Gunny Bag as Potential Reinforcing Materials for Pond Ash.	International Conference on Construction Materials and Environment, 2021 (ICCME 2021)	ICCME-2021	INTERNATIONAL	2021	ISBN-978-981-16-6557-8 https://link.springer.com/chapter/10.1007/978-981-16-6557-8_31		Springer Nature, Singapore

18	A. K.Bhoi, S. K. Ahirwar, J. N. Mandal	Lecture Notes in Civil Engineering, vol 133.	Behaviour of Geosynthetics Clay Liner under Direct Shear Test	Proceedings of the Indian Geotechnical Conference 2019	Indian Geotechnical Conference IGC 2019, 19-21 Dec SVNIT Surat	NATIONAL	2021	Print ISBN 978-981-33-6345-8 , Online ISBN 978-981-33-6346-5 5 https://link.springer.com/chapter/10.1007/978-981-33-6346-5_1	IGIT Sarang, IIT Bombay	Springer, Singapore
19	Aditya Kumar Bhoi	Lecture Notes in Civil Engineering, Springer	Behaviour of Geosynthetics Clay Liner Under Direct Shear Test	Proceedings of the Indian Geotechnical Conference 2019		INTERNATIONAL	2019	978-981-33-6346-5 https://link.springer.com/chapter/10.1007/978-981-33-6346-5_1		Springer, Singapore
ELECTRICAL										
20	Dr. Pranati Das		Bio-Medical Image Enhancement Using Adaptive Multi-Resolution Technique	2019 International Conference on Applied Machine Learning (ICAML)	2019 International Conference on Applied Machine Learning (ICAML)	International	2019	ISBN-978-1-7281-3909-8 https://ieeexplore.ieee.org/document/8989332	IGIT, Sarang	IEEE
21	Dr. Pranati Das	Advances in Intelligent Systems and Computing ((AISC,volume 846)	2DOF-PID controller-based load frequency control of linear/nonlinear unified power system	International Conference on Intelligent Computing and Applications	International Conference on Intelligent Computing and Applications	International	2019	ISBN-978-981-13-2181-8 https://link.springer.com/chapter/10.1007/978-981-13-2182-5_23	IGIT, Sarang	Springer Nature
22	Dr. Bibhu Pasad Panigrahi		Studies on Input DC and output AC Current of 1-Phase Inverter for Unipolar and Bipolar Switching	IEEE 2023 International Conference on Computer, Electronics & Electrical Engineering & their Applications (IC2E3)	IC2E3	International	2023	ISBN-979-8-3503-3800-3 https://ieeexplore.ieee.org/document/10262439	IGIT, Sarang	IEEE
23	Dr. Pranati Das	Advances in Distributed Computing and Machine Learning. Lecture Notes in Networks and Systems	Dynamic Image Contrast Enhancement Using Image Dependent Decomposition Method	Advances in Distributed Computing and Machine Learning		International	2022	ISBN-978-981-16-4806-9 https://link.springer.com/chapter/10.1007/978-981-16-4807-6_10	IGIT, Sarang	Springer Singapore
24	Mr. Ashutosh Biswal	Intelligent Systems	Frequency Control of Single Area Hybrid Power System with DG	Intelligent Systems: Proceedings of 3rd International Conference on Machine Learning, IoT and Big Data (ICMIB 2023)	ICMIB 2023	International	2023	ISBN-978-981-99-3932-9 https://link.springer.com/chapter/10.1007/978-981-99-3932-9_40	IGIT, Sarang	Springer Nature
25	Dr. Bibhu Prasad Ganthia		Power Smoothing of Photovoltaic System using Dynamic PSO with ESC under Partial Shading Condition	2023 International Conference in Advances in Power, Signal, and Information Technology (APSIT)	APSIT	International	2023	ISBN-979-8-3503-3936-9 https://ieeexplore.ieee.org/document/10201763	IGIT, Sarang	IEEE

26	Chinmay Kumar Nayak	Advances in Intelligent Systems and Computing ((AISC,volume 1039)	Optimal Participation of Hybrid Renewable Energy Sources in Standalone Microgrid	International Conference on Intelligent Computing, Information and Control Systems	International Conference on Intelligent Computing, Information and Control Systems	International	2019	ISBN-978-3-030-30465-2 https://link.springer.com/chapter/10.1007/978-3-030-30465-2_17	IGIT, Sarang	IEEE
27	Dr. Bibhu Pasad Panigrahi	Recent Advances in Power Electronics and Drive	Genetic Algorithm Optimized Direct Torque Control of Mathematically Modeled Induction Motor Drive Using PI and Sliding Mode Controller			International	2020	ISBN-978-981-15-8586-9 https://link.springer.com/chapter/10.1007/978-981-15-8586-9_32	IGIT, Sarang	Springer Nature
28	Dr. Bibhu Pasad Panigrahi		Regulated Soft-Switching Power Supply Using Buck-Boost Converter	Computational Intelligence for Smart Power System and Sustainable Energy	Computational Intelligence for Smart Power System and Sustainable Energy	International	2020	10.1109/CISPSSE4993.1.2020 https://ieeexplore.ieee.org/document/921224	IGIT, Sarang	IEEE
29	Dr. Pranati Das		Heading plane Control of an Autonomous Underwater Vehicle: A novel Fuzzy and Model Reference Adaptive Control Approach	2020 Tmr International Conference on Advances in Electronics, Computers and Communications	2020 Tmr International Conference on Advances in Electronics, Computers and Communications	International	2020	ISBN-978-1-7281-8045-8 https://ieeexplore.ieee.org/document/933949	IGIT, Sarang	IEEE
30	Dr. Pranati Das	Advances in Intelligent Systems and Computing ((AISC,volume 1053)	Automatic Extraction of Vessels from Newly Accessible Dataset	Soft Computing: Theories and Applications	Soft Computing: Theories and Applications	International	2020	ISBN-978-981-15-0750-2 https://link.springer.com/chapter/10.1007/978-981-15-0751-9_105	IGIT, Sarang	Springer Nature
31	Dr. Pranati Das	Lecture Notes in Electrical Engineering ((LNEE,volume 665)	A Novel Low Contrast Image Enhancement Using Adaptive Multi-Resolution Technique and SVD	Advances in Electrical Control and Signal Systems	Advances in Electrical Control and Signal Systems	International	2020	ISBN-978-981-15-5261-8 https://link.springer.com/chapter/10.1007/978-981-15-5262-5_79	IGIT, Sarang	Springer Nature
32	Dr. Bibhu Pasad Panigrahi	Lecturer notes in Networks and Systems	A Comparative Analysis of Fuzzy Logic-Based DTC and ST-DTC Using Three-Level Inverter for Torque Ripple Reduction	Intelligent Systems: Proceedings of ICMIB 2020	ICMIB	International	2021	ISBN-978-981-33-6081-5 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_32		Springer, Singapore
33	Umakanta Mahanta	Intelligent Systems	A Comparative Analysis of Fuzzy Logic-Based DTC and ST-DTC Using Three-Level Inverter for Torque Ripple Reduction	Lecture Notes in Networks and Systems	ICMIB, 2021	International	2021	ISBN-978-981-33-6081-5 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_32	IGIT, SARANG	Springer, Singapore
34	Bhabesh Chandra Mohanta	Intelligent Systems	A Comparative Analysis of Fuzzy Logic-Based DTC and ST-DTC Using Three-Level Inverter for Torque Ripple Reduction	Lecture Notes in Networks and Systems	ICMIB, 2021	International	2021	ISBN-978-981-33-6081-5 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_32	IGIT, SARANG	Springer, Singapore
35	Bibhu Prasad Panigrahi	Intelligent Systems	A Comparative Analysis of Fuzzy Logic-Based DTC and ST-DTC Using Three-Level Inverter for Torque Ripple Reduction	Lecture Notes in Networks and Systems	ICMIB, 2021	International	2021	ISBN-978-981-33-6081-5 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_32	IGIT, SARANG	Springer, Singapore

36	Anup Kumar Panda	Intelligent Systems	A Comparative Analysis of Fuzzy Logic-Based DTC and ST-DTC Using Three-Level Inverter for Torque Ripple Reduction	Lecture Notes in Networks and Systems	ICMIB, 2021	International	2021	ISBN-978-981-33-6081-5 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_32	IGIT, SARANG	Springer, Singapore
37	Bibhu Prasad Panigrahi	Intelligent Systems	A Comparative Analysis of Fuzzy Logic-Based DTC and ST-DTC Using Three-Level Inverter for Torque Ripple Reduction	Lecture Notes in Networks and Systems	ICMIB, 2021	International	2021	ISBN-978-981-33-6081-5 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_32	IGIT, SARANG	Springer, Singapore
38	Anup Kumar Panda	Intelligent Systems	A Comparative Analysis of Fuzzy Logic-Based DTC and ST-DTC Using Three-Level Inverter for Torque Ripple Reduction	Lecture Notes in Networks and Systems	ICMIB, 2021	International	2021	ISBN-978-981-33-6081-5 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_32	IGIT, SARANG	Springer, Singapore
39	Umakanta Mahanta, Bhabesh Chandra Mohanta	Intelligent Systems	A Comparative Analysis of Fuzzy Logic-Based DTC and ST-DTC Using Three-Level Inverter for Torque Ripple Reduction	Lecture Notes in Networks and Systems	ICMIB, 2021	International	2021	ISBN-978-981-33-6081-5 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_32	IGIT, SARANG	Springer, Singapore
40	Subrat Kumar Pradhan		Inter-Area Oscillation Damping Considering Time-Varying Communication Delay of Wide-Area Power System	Intelligent Robotics and Industrial Automation (IRIA)	2021 International Symposium of Asian Control Association on Intelligent	International	2021	ISBN-978-1-6654-3323-5 https://ieeexplore.ieee.org/abstract/document/9588732	National Institute of Technology, Nagaland	IEEE
41	Sasmita Jena		Generating Power through Numerous Interconnection of Solar PV Modules with Incorporation of Thermoelectric Generator and Estimating Energy Rating	2021 International Conference in Advances in Power, Signal, and Information Technology (APSIT).	APSIT 2021	International	2021	ISBN-978-1-6654-2506-3 https://ieeexplore.ieee.org/document/9641300	Siksha O Anusandhan Deemed to be University	IEEE
42	Dr. Pranati Das	Lecture Notes in Networks and Systems ((LNNS,volume 109)	Dictionary Design for Block-Based Intra-image Compression	Advances in Intelligent Computing and Communication	Advances in Intelligent Computing and Communication	International	2020	ISBN-978-981-15-2773-9 https://link.springer.com/chapter/10.1007/978-981-15-2774-6_27	IGIT, Sarang	Springer Nature
43	Dr. Rabindra Behera		Regulated Soft-Switching Power Supply Using Buck-Boost Converter	2020 International Conference on Computational Intelligence for Smart Power System and Sustainable Energy (CISPSSE)	2020 International Conference on Computational Intelligence for Smart Power System and Sustainable Energy (CISPSSE)	International	2020	ISBN-978-1-7281-7275-0 https://ieeexplore.ieee.org/document/9212245	IGIT, Sarang	IEEE
		MECHANICAL								

44	Sudhanshu Bhushan Panda, Narayan Chandra Nayak, Antaryami Mishra,	Lecture Notes on Data Engineering and Communications Technologies	Characterization & Optimization of Tool Design of an Injection molded part through Mold-Flow Analysis	Advances in Data Science and Management Proceedings of ICDSM 2019,	ICDSM 2019	International	2019	doi.org/10.1007/978-981-15-0978-0_45. (Scopus indexed)	IGIT Sarang	springer
45	P R Dhal	Intelligent systems	Global path optimization of Humanoid NAO in static environment using Prim's Algorithm	Lecture notes in Networks and Systems	ICMIB 2020	International	2021	ISBN 978-981-336-080-8 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_3	IGIT Sarang	springer
46	Mrs.K.S.S Sahoo	Lecture notes in Networks and Systems Book series (LNNS,Volume 431)	Optimization of Operating Parameters for Improve the Combustion in Single Cylinder Four Stroke DIC I VCR Engine Using Grey Relation Analysis	Intelligent systems	ICMIB	International	2022	https://link.springer.com/chapter/10.1007/978-981-19-0901-6_54	IGIT Sarang	Springer
47	P R Dhal	Intelligent systems	An emperical study of Green Supply Chain Management by using an optimization tool: An Eastern India Prospective	Lecture notes in Networks and Systems	ICMIB 2020	International	2021	ISBN 978-981-336-080-8 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_39	IGIT Sarang	springer
48	R K Patel	Current Advances in Mechanical Engineering	Free Vibration Analysis of Laminated Composite Tapered Beam	Lecture Notes in Mechanical Engineering	ICRAMERD 2020	International	2021	ISBN 978-981-334-795-3 https://link.springer.com/chapter/10.1007/978-981-33-4795-3_9	IGIT Sarang	springer
49	G K Ghosh	Advances in Metrology and Measurement of Engineering Surfaces	Performance Evaluation of Graphene-Gear Oil Nanolubricants in Rayleigh Step Bearing	Lecture Notes in Mechanical Engineering	ICFMMP 2019	International	2021	ISBN 978-981-15-5150-5 https://link.springer.com/chapter/10.1007/978-981-15-5151-2_11	IGIT Sarang	springer
50	Krishna Chandra Patra, Rabi Narayan Sethi	Intelligent systems	Benchmark of Unsupervised Machine Learning Algorithms for condition monitoring	Lecture notes in Networks and Systems	ICMIB 2020	International	2021	ISBN 978-981-336-080-8 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_17	IGIT Sarang	springer
51	Dhiren Kumar Behera	Intelligent systems	Benchmark of Unsupervised Machine Learning Algorithms for condition monitoring	Lecture notes in Networks and Systems	ICMIB 2020	International	2021	ISBN 978-981-336-080-8 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_17	IGIT Sarang	springer
52	Mr. P.R.Dhal	Intelligent Systems: Proceedings of ICMIB2021	Improving Navigational Parameters During Robot Motion Planning Using SOMA Technique	Lecture notes in Networks and Systems	ICMIB 2021	International	2022	https://link.springer.com/chapter/10.1007/978-981-19-0901-6_17	IGIT Sarang	springer

53	Mr. P.R.Dhal	Intelligent systems	Global path optimization of Humanoid NAO in static environment using Prim's Algorithm	Lecture notes in Networks and Systems	ICMIB 2020	International	2021	ISBN 978-981-336-080-8 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_3	IGIT Sarang	springer
54	Mr. P.R.Dhal	Intelligent systems	An emperical study of Green Supply Chain Management by using an optimization tool: An Eastern India Prospective	Lecture notes in Networks and Systems	ICMIB 2020	International	2021	ISBN 978-981-336-080-8 https://link.springer.com/chapter/10.1007/978-981-33-4795-3_52	IGIT Sarang	springer
55	Mr. P.R.Dhal	Current Advances in Mechanical Engineering	Probability Plot Result Comparison with Recurrent Neural Network Approach for Path Navigation of a Humanoid in Complex Terrain	Lecture notes in Mechanical Engineering	ICRAMERD 2020	International	2021	ISBN 978-981-334-794-6 https://link.springer.com/chapter/10.1007/978-981-33-4795-3_52	IGIT Sarang	springer
56	Mr. P.R.Dhal	Current Advances in Mechanical Engineering	Navigational Control and Path Optimization of Mobile Robot Using Updated Sine-Cosine Algorithm in Obscure Environment	Lecture notes in Mechanical Engineering	ICRAMERD 2020	International	2021	ISBN 978-981-334-794-6 https://link.springer.com/chapter/10.1007/978-981-33-4795-3_92	IGIT Sarang	springer
57	Mr. P.R.Dhal	Current Advances in Mechanical Engineering	Safe Navigation of Humanoid Robot in Cluttered Terrain using Ant Lion Optimizer tuned RA Approach	Lecture notes in Mechanical Engineering	ICRAMERD 2020	International	2021	ISBN 978-981-334-794-6	IGIT Sarang	springer
58	Mr. P.R.Dhal	Intelligent systems	Empirical Study of Green Supply Chain Management by Using an Optimisation Tool: An Eastern India Perspective	Lecture notes in Networks and Systems	ICMIB 2020	International	2021	ISBN 978-981-336-080-8 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_39	IGIT Sarang	springer
59	Mr. M.K.Muni	Current Advances in Mechanical Engineering	Probability Plot Result Comparison with Recurrent Neural Network Approach for Path Navigation of a Humanoid in Complex Terrain.	Lecture notes in Mechanical Engineering	ICRAMERD 2020	International	2021	ISBN 978-981-334-794-6 https://link.springer.com/chapter/10.1007/978-981-33-4795-3_52	IGIT Sarang	springer
60	Mr. M.K.Muni	Current Advances in Mechanical Engineering	Navigational Control and Path Optimization of Mobile Robot Using Updated Sine-Cosine Algorithm in Obscure Environment.	Lecture notes in Mechanical Engineering	ICRAMERD 2020	International	2021	ISBN 978-981-334-794-6 https://link.springer.com/chapter/10.1007/978-981-33-4795-3_91	IGIT Sarang	springer
61	Mr. M.K.Muni	Current Advances in Mechanical Engineering	Safe Navigation of Humanoid Robot in Cluttered Terrain using Ant Lion Optimizer tuned RA Approach.	Lecture notes in Mechanical Engineering	ICRAMERD 2020	International	2021	ISBN 978-981-334-794-6 https://link.springer.com/chapter/10.1007/978-981-33-4795-3_92	IGIT Sarang	springer

62	Mr. M.K.Muni	Intelligent systems	Global Path Optimization of Humanoid NAO in Static Environment using Prim's Algorithm.	Lecture notes in Networks and Systems	ICMIB 2020	International	2021	ISBN 978-981-336-080-8 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_3	IGIT Sarang	springer
63	Dr. D.K.Behera	Algorithms for Intelligent Systems	Packing Density of a Tori-Connected Flattened Butterfly Network	Advances in Machine Learning and Computational Intelligence	ICMLCI 2019	International	2021	978-981-15-5243-4 https://link.springer.com/chapter/10.1007/978-981-15-5243-4_40	IGIT Sarang	springer
64	Dr. J. Nayak	Materialstoday Proceedings	Design and fabrication of a solar portable refrigerator			International	2021	https://www.sciencedirect.com/science/article/abs/pii/S2214785320363148	IGIT Sarang	Elsevier
65	Dr. R.N.Sethi	Lecture Notes in Networks and Systems	Benchmark of Unsupervised Machine Learning Algorithms for Condition Monitoring	Intelligent Systems	ICMIB 2020	International	2021	978-981-33-6081-5 https://link.springer.com/chapter/10.1007/978-981-33-6081-5_17	IGIT Sarang	Springer
66	Dr. R.N.Sethi	Lecture Notes in Mechanical Engineering	Fabrication and Characterisation of Aluminium Matrix Composite (Al 2024) Reinforced with Zircon Sand and Flyash	Advances in Production and Industrial Engineering	ICETMIE 2019	International	2021	978-981-15-5519-0 https://link.springer.com/chapter/10.1007/978-981-15-5519-0_20	IGIT Sarang	Springer
67	Mr. R K Patel	Current Advances in Mechanical Engineering	Free Vibration Analysis of Laminated Composite Tapered Beam	Lecture Notes in Mechanical Engineering	ICRAMERD 2020	International	2021	ISBN 978-981-334-795-3 https://link.springer.com/chapter/10.1007/978-981-33-4795-3_9	IGIT Sarang	springer
68	Mr. G K Ghosh	Advances in Metrology and Measurement of Engineering Surfaces	Performance Evaluation of Graphene-Gear Oil Nanolubricants in Rayleigh Step Bearing	Lecture Notes in Mechanical Engineering	ICFMMP 2019	International	2021	ISBN 978-981-15-5150-5 https://link.springer.com/chapter/10.1007/978-981-15-5151-2_11	IGIT Sarang	springer
69	Mr. D. Nayak	Lecture Notes in Mechanical Engineering	Theoretical Analysis of Free Vibration of a Sandwich Beam on Pasternak Foundation with Temperature Gradient	Advances in Mechanical Engineering	ICRAMERD 2020	International	2021	978-981-33-4795-3 https://link.springer.com/chapter/10.1007/978-981-33-4795-3_13	IGIT Sarang	springer
70	Sudhanshu Bhushan Panda	AI in Manufacturing and Green Technology: Methods and Applications	Design for manufacturing of automotive components: A Knowledge based integrated approach			International	2020	ISBN 9781003032465, doi.org/10.1201/9781003032465 .	IGIT Sarang	Taylor & Francis
71	Sudhanshu Bhushan Panda, Antaryami Mishra, Narayan Chandra Nayak	AI in Manufacturing and Green Technology: Methods and Applications	Design for manufacturing of automotive components: A Knowledge based integrated approach			International	2020	ISBN 9781003032465, doi.org/10.1201/9781003032465 .	IGIT Sarang	Taylor & Francis

72	B.B. Choudhury	Advances in Intelligent System and Computing, Soft Computing in Data Analytics	Dynamic behavior analysis of an industrial robot using FEM	Springer,Book Chapter	2019	International		https://link.springer.com/chapter/10.1007/978-981-13-0514-6_20		
73	Supriya Sahu	Advances in Intelligent System and Computing, Soft Computing in Data Analytics	Dynamic behavior analysis of an industrial robot using FEM	Springer,Book Chapter	2019	International		https://link.springer.com/chapter/10.1007/978-981-13-0514-6_20		
74	Supriya Sahu	Computational Intelliscence in Data Mining	PSO based p+F14+C13:E16+C12:E16+F14+C13:E16+C13:E16	Springer,Book Chapter	ICCIDM,2019	International				
75	B.B. Choudhury	Computational Intelliscence in Data Mining	PSO based p+F14+C13:E16+C12:E16+F14+C13:E16+C13:E16	Springer,Book Chapter	ICCIDM,2019	International				
76	Dr. B.B.Choudhury	Learning and Analytics in Intelligent Systems	Autonomous Track Designing Approach in a Settled and Unsettled Environment	Applications of Robotics in Industry Using Advanced Mechanisms	ARIAM: International Conference on Application of	International	2020	978-3-030-30273-3 https://link.springer.com/chapter/10.1007/978-3-030-30271-9_20	IGIT Sarang	Springer
77	Dr. B.B.Choudhury	Learning and Analytics in Intelligent Systems	Kinematics Analysis of a 6-DOF Industrial Robot	Applications of Robotics in Industry Using Advanced Mechanisms	ARIAM: International Conference on Application of	International	2020	978-3-030-30273-3 https://link.springer.com/chapter/10.1007/978-3-030-30271-9_30	IGIT Sarang	Springer
78	Dr. B.B.Choudhury	Learning and Analytics in Intelligent Systems	FPGA Implementation of Modified Swarm Optimization Based Control Strategy for a Mobile Robot	Applications of Robotics in Industry Using Advanced Mechanisms	ARIAM: International Conference on Application of Robotics in	International	2020	978-3-030-30273-3 https://link.springer.com/chapter/10.1007/978-3-030-30271-9_26	IGIT Sarang	Springer
79	Dr. B.B.Choudhury	Robotic Systems: Concepts, Methodologies, Tools, and Applications	Fuzzy Logic Based Path Planning for Industrial Robot			International	2020	978-1-799-81754-3 https://www.researchgate.net/publication/284887204_Implementation_of_Fuzzy-	IGIT Sarang	IGI Global
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81	Dr. B.B.Choudhury	Advances in Intelligent Systems and Computing	PSO Based Path Planning of a Six-Axis Industrial Robot	Computational Intelligence in Data Mining	ICCIDM 2018	International	2020	978-981-13-8676-3 https://link.springer.com/chapter/10.1007/978-981-13-8676-3_19	IGIT Sarang	Springer
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84	Dr. D.K.Behera	Advances in Intelligent Systems and Computing	Shifted Peterson Network: A New Network for Network-on-Chip	Computational Intelligence in Pattern Recognition	CIPR 2019	International	2020	978-981-13-9042-5 https://link.springer.com/chapter/10.1007/978-981-13-9042-5_51	IGIT Sarang	springer
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91	Mr. D. Nayak	Lecture Notes in Mechanical Engineering	Dynamic Stability Analysis of an Asymmetric Sandwich Beam on a Sinusoidal Pasternak Foundation	Innovative Product Design and Intelligent Manufacturing Systems	ICIPDIMS 2019	International	2020	978-981-15-2696-1	IGIT Sarang	springer
92	Mr. D. Nayak	Lecture Notes in Mechanical Engineering	Static Stability Investigation of an Asymmetric Sandwich Beam in Temperature Environment	Advances in Mechanical Engineering	ICRIDME 2018	International	2020	978-981-15-0124-1 https://link.springer.com/chapter/10.1007/978-981-15-0124-1_107	IGIT Sarang	springer
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94	Laxmikant Swain, Rabi Narayan Sethi, A.K. Chaubey, and SilaniSahoo	Advances in Production and Industrial Engineering	Fabrication and Characterisation of Aluminium Matrix Composite (Al 2024) Reinforced with Zircon Sand and Flyash	Advances in Production and Industrial Engineering, Springer Publication	ICETMIE 2019	International	2019	ISBN-978-981-15-5518-3 https://link.springer.com/chapter/10.1007/978-981-15-5519-0_20	The NorthCap University, Gurgaon, India, Indian Institute of Technology Delhi, New Delhi, Delhi, India,	springer

95	Dr. B.B.Choudhury	Advances in Intelligent Systems and Computing	Dynamic behaviour analysis of an industrial robot using FEM			International	2018	Print ISBN978-981-13-0513-9 https://link.springer.com/chapter/10.1007/9		springer
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98	Dr. B.B.Choudhury	Advances in Intelligent Systems and Computing	Artificial intelligence (AI) based object classification using principal images	Proceedings of the International Conference on CIDM 2017	IEEE Symposium on Computational Intelligence in Data Mining	International	2019	978-981-10-8055-5 https://link.springer.com/chapter/10.1007/978-81-322-2731-1_13	IGIT Sarang	Springer
99	Dr. B.B.Choudhury	Smart Innovation, Systems and Technologies	Path planning of mobile robot using PSO algorithm	Information and Communication Technology for Intelligent Systems	ICTIS 2018	International	2019	ISBN-978-981-13-1742-2 https://link.springer.com/chapter/10.1007/978-981-13-1742-2_51	IGIT Sarang	Springer
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104	Dr. B.B.Choudhury	Advances in Intelligent Systems and Computing	A Dynamic Bottle Inspection Structure	Proceedings of the International Conference on CIDM 2017	IEEE Symposium on Computational Intelligence in Data Mining	International	2019	978-981-10-8055-5 https://link.springer.com/chapter/10.1007/978-3-030-30271-9_20	IGIT Sarang	Springer

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125	Dr. H. Sutar, Prof. D. Roy, Prof. S. C. Mishra		Study of Sliding Wear Behavior of Plasma Sprayed Red Mud Composite Coatings on Mild Steel		Book Publisher			ISBN (Print): 978-93-89816-04-4		
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130	Dr. H. Sutar, R. Murmu		High Density Polyethylene (HDPE) and polypropylene (PP) blend: An Experimental Approach		New Advances in Materials Science and Engineering		2019	ISBN(Print): 978-93-89246-08-7		
131	R. Murmu		Study of Sliding Wear Behavior of Plasma Sprayed Red Mud Composite Coatings on Mild Steel		Book Publisher			ISBN (Print): 978-93-89816-04-4		
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132	SR Rana, AB Pattnaik		Comparison of wear behaviour and mechanical properties of as-cast Al6082 and Al6082-T6 using statistical analysis	IOP Conference Series: Materials Science and Engineering, 338 (2018) 012050	ICPCM	International	2019	doi:10.1088/1757-899X/338/1/012050 https://iopscience.iop.org/article/10.1088/1757-899X/338/1/012050	NIT Rourkela	IOP Publishing,
133	SC Patnaik		Comparison of wear behaviour and mechanical properties of as-cast Al6082 and Al6082-T6 using statistical analysis	IOP Conference Series: Materials Science and Engineering, 338 (2018) 012050	ICPCM	International	2019	doi:10.1088/1757-899X/338/1/012050 https://iopscience.iop.org/article/10.1088/1757-899X/338/1/012050	NIT Rourkela	IOP Publishing,

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135	Saroj Kumar Sahu, Rahul Kumar Patra, Jogendra Majhi		Effect of addition of 3 %Al ₂ O ₃ on mechanical and microstructural properties in Al-16Si hypereutectic alloys with pouring temperature	Materials Today: Proceedings	ICPCM 2021	International	2022	https://doi.org/10.1016/j.matpr.2022.03.517 https://www.sciencedirect.com/science/article/abs/pii/S2214785322018673	NIT Rourkela	Elsevier
136	J Parida, S C Mishra and S C Pattnaik		Study on Microstructure and Tribological Properties of Plasma Processed LM6 Alloy	Materials Science and Engineering, 653 (2019) 012009,	ICPCM	International	2019	doi:10.1088/1757-899X/653/1/012009, p1-5. https://iopscience.iop.org/article/10.1088/1757-899X/653/1/012009	NIT Rourkela	IOP Publishing,
137	July Randhari, Suchsmita Senapati, Biren Samal, Prafulla K.Mallik		Mechanochemical synthesis of CaTiO ₃ powders: Microstructure and surface morphology	Materials Today: Proceedings (2021).	Global Conference on Recent Advances in Sustainable Materials 2021	International	2021	https://doi.org/10.1016/j.matpr.2021.08.017 https://www.sciencedirect.com/science/article/abs/pii/S2214785321054444	AJ Institute of Engineering and Technology, Mangalore	Elsevier
138	Diptiranjana Barala, Rahul Mohanta, Bhaghyashree Sahoo, Renuprava Dalai, Prafulla K.Mallik		Dielectric properties of Steel Melting shop (SMS) slag	Materials Today: Proceedings (2021).	Global Conference on Recent Advances in Sustainable Materials 2021	International	2021	https://doi.org/10.1016/j.matpr.2021.08.081 https://www.sciencedirect.com/science/article/abs/pii/S2214785321055152	AJ Institute of Engineering and Technology, Mangalore	Elsevier
139	J.Pany, R.K.Barik, S.K.Sahoo, S.C.Patnaik, J.Majhi, A.B.Pattnaik		Mathematical modeling for the prediction of wear rate of Al-12.6Si/TiB ₂ <i>in situ</i> composites	Materials Today: Proceedings (2020).	ICPCM	International	2020	https://doi.org/10.1016/j.matpr.2020.03.493 https://www.sciencedirect.com/science/article/abs/pii/S2214785320322744	NIT Rourkela	Elsevier
140	J.Majhi, K.P.Jena, S.K.Sahoo, S.C.Patnaik		The Microstructural and Wear Properties improvement by manganese addition in Al-14Si Hypereutectic alloy	Materials Today: Proceedings	ICPCM	International	2022	https://doi.org/10.1016/j.matpr.2022.04.638 https://www.sciencedirect.com/science/article/abs/pii/S2214785322028012	NIT Rourkela	Elsevier

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149	I Tripathy, M Mallik		Effect of temperature and pressure on diffusivity of nitinol pellet bonded with steel plate	Materials Today Proceeding(2020)	ICPCM	International	2020	https://doi.org/10.1016/j.matpr.2020.02.892 https://www.sciencedirect.com/science/article/abs/pii/S2214785320316825	NIT Rourkela	Elsevier

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151	J. Parida, S. C. Pattnaik, S. C. Mishra, A. Behera		Effect of heat treatment on wear behaviour of Al-7 wt%Si- X wt% Mg alloys	Materials Today Proceeding(2020), Volume 33, Part 8, 2020, Pages 4976-4980	ICPCM	International	2020	https://doi.org/10.1016/j.matpr.2020.02.828 https://www.sciencedirect.com/science/article/abs/pii/S2214785320316187	NIT Rourkela	Elsevier
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153	Kanhu Charan Sahoo, Sunil Goyal, K. Laha	Procedia in structural integrity	Assessment of creep deformation and rupture behaviour of 304HCu austenitic stainless steel	ProcediaEngineering, vol. 14, pp. 60-67.	Second Structural Integrity and Conference and Exhibition (SICE-2018), Hyderabad, July 25-27, 2018.	International	2018	https://www.sciencedirect.com/science/article/pii/S2452321619300095	Organized by DMRL, Hyderanad	Elsevier
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ETC										
155	Dillip Dash		A Deep Learning Approach for SAR Image Fusion		International Conference on Intelligent Computing, Instrumentation and Control Technologies	International	2019	978-1-7281-0283-2 https://ieeexplore.ieee.org/document/8993376	IGIT Sarang	IEEE
156	Kodanda Dhar Sa		A Deep Learning Approach for SAR Image Fusion		International Conference on Intelligent Computing, Instrumentation and Control Technologies	International	2019	978-1-7281-0283-2 https://ieeexplore.ieee.org/document/8993376	IGIT Sarang	IEEE

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161	BIKASH CHANDRA SAHOO		Dual Band Circular Patch Flexible Wearable Antenna Design for Sub-6 GHz 5G Applications		2022 IEEE International RF and Microwave Conference (RFM)	INTERNATIONAL	2022	978-1-6654-8978-2 https://ieeexplore.ieee.org/document/10065238		IEEE
162	Dr Ashima Rout		A COMPARATIVE ANALYSIS ON 5G CELL FREE MASSIVE MIMO	ICICCCSP	ICICCCSP	INTERNATIONAL	2022	ISBN:978-1-6654-7258-6 https://ieeexplore.ieee.org/document/9862350	SRINIDHI,HYD ERBAD	IEEE
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165	SUNITA DHALBISOI		A COMPARATIVE ANALYSIS ON 5G CELL FREE MASSIVE MIMO	ICICCCSP	ICICCCSP	INTERNATIONAL	2022	ISBN:978-1-6654-7258-6 https://ieeexplore.ieee.org/document/9862350	SRINIDHI,HYD ERBAD	IEEE

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170	Dr. Urmila Bhanja	Lecture Notes in Electrical Engineering	Effect of Code and Frequency Index Modulation in MIMO-OFDM-FSO System			International	2021	Print ISBN 978-981-16-2817-7 https://link.springer.com/chapter/10.1007/978-981-16-2817-7		Springer
171	Chinmayee Panda	Lecture Notes in Electrical Engineering	Effect of Code and Frequency Index Modulation in MIMO-OFDM-FSO System			International	2021	Print ISBN 978-981-16-2817-7 https://link.springer.com/chapter/10.1007/978-981-16-2817-7		Springer
172	Dr. Urmila Bhanja	Lecture Notes in Networks and Systems	Performance Analysis of Chaotic OFDM-FSO Communication System	Proceedings of International Conference on Frontiers in Computing and Systems	COMSYS-2022	International	2022	2367-3389	IGIT, Sarang	Springer
173	Dr. Urmila Bhanja		QPSK-Subcarrier Intensity modulated FSO System	IEEE Conference	2021 International Conference on Advances in Technology, Management & Education (ICATME)	International	2022	INSPEC Accession Number: 21668409 https://ieeexplore.ieee.org/document/9732746	IGIT,SARANG	IEEE

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178	Debapriya Parida		Smart Meters: Cyber Security Issues and Their Solutions	ViTECoN	International Conference on Vision Towards Emerging Trends in	INTERNATIONAL	2023	Electronic ISBN:979-8-3503-4798-2 Smart Meters: Cyber Security Issues and Their Solutions IEEE Conference		IEEE
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183	Dr Dillip Dash		Low RCS Target Detection with Ground Clutter in Multistatic Airborne Radar	2023 IEEE 3rd International Conference on Applied	AESPC	International	2023	Electronic ISBN:979-8-3503-5874-2 https://ieeexplore.ieee.org/document/102921		IEEE
184	Jemimah Digal		Low RCS Target Detection with Ground Clutter in Multistatic Airborne Radar	2023 IEEE 3rd International Conference on Applied	AESPC	International	2023	Electronic ISBN:979-8-3503-5874-2 https://ieeexplore.ieee.org/document/102921		IEEE
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190	SUNITA DHALBISOI		A COMPARATIVE ANALYSIS ON 5G CELL FREE MASSIVE MIMO	ICICCSP	ICICCSP	INTERNATIONAL	2022	ISBN:978-1-6654-7258-6 https://ieeexplore.ieee.org/document/9862350	SRINIDHI,HYD ERBAD	IEEE
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195	Dr.(Mrs)Urmila Bhanja		Urban Traffic Flow Optimization		2018 13th IEEE Conference on Industrial and Information Systems	International	2019	https://ieeexplore.ieee.org/document/8721414	IGIT Sarang	IEEE
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198	Dillip Dash		Design and Validation of an Antenna Array for Cloud Radio Access Network Application		International Conference for Convergence in Engineering (ICCE)	International	2020	978-1-7281-7340-5 https://ieeexplore.ieee.org/abstract/document/9290665	IGIT Sarang	IEEE
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202	Dr.(Mrs)Urmila Bhanja	Lecture Notes on Data Engineering and Communications Technologies	PDF Analysis of Different Channel Models in FSO			International	2020	Print ISBN 978-981-15-0977-3 https://link.springer.com/chapter/10.1007/978-981-15-0978-0_35		Springer
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206	R.K Sahoo, A.R Prusty, A Rout,	Lecture Notes in Networks and Systems	Mental Stress Detection Using GSR Sensor Data with Filtering Methods			International	2022	Print ISBN978-981-19-0900-9 https://link.springer.com/chapter/10.1007/978-981-19-0901-6_47		Springer
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