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***Supporting Documents for Quantitative  
Metric 3.3.3***

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Submitted to NAAC

By

**ARYAN INSTITUTE OF ENGINEERING &  
TECHNOLOGY, BHUBANESWAR**

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

<b>Year</b>	2016	2017	2018	2019	2020
<b>Number</b>	63	58	63	37	54

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01	<a href="#"><u>Document showing details of books and chapters in edited volumes/books published and papers published in national/international conference proceedings per teacher during last five years</u></a>	04-19

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
1	P K Swain Nalinikanta Swain Kalpana Mallick	Advancement of Novel Materials & its Experimental Observations	<a href="#">Effect of Rotary-Klin Pyrolyse in Transient Modelling</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
2	Babita Meher Deepikarani Swain Sikendar Sharma	Advancement of Novel Materials & its Experimental Observations	<a href="#">A Review on Cryogenic Treatment</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
3	Shaik Mozammil Biswa Ranjan Pradhan Debi Prasad Singh	Advancement of Novel Materials & its Experimental Observations	<a href="#">Effect of Nucleophilic Attack on Hydrido-Bridged Copper Rings</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
4	Pili Kumari Sahoo Ranjan Kumar Saswati Nayak Bipash Mohanty	Advancement of Novel Materials & its Experimental Observations	<a href="#">Analysis of Fluid Flow in a Compact Phase Separator</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
5	P. Paulpandian Chinmay Swain Barsa Priyadarshini Sahoo Binapani Mohapatra	Advancement of Novel Materials & its Experimental Observations	<a href="#">Significance of Vibration and Magnetic bearing on Machine Tool Spindle</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
6	Bhagyashree Panda Subhasis Sarkar Sidharth Pradhan	Advancement of Novel Materials & its Experimental Observations	<a href="#">Ductile Tearing under Low-Constraint Conditions</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
7	Tapan Kumar Mohanty Rajaram Sahu Bipash Mohanty	Advancement of Novel Materials & its Experimental Observations	<a href="#">Influence of Stress on Bi-Material Interface of Crack tip</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
8	Jitendra Narayan Biswal Shakyasingha Sahoo Mdaras Aras Ansari	Advancement of Novel Materials & its Experimental Observations	<a href="#">Vortex Breakdown Inside a Closed Container: Simulation Analysis, PIV and Measurements of LDV</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
9	Manohar Kumar Singh Abinash Sahoo Bijayalaxmi Behera Saleema Panda Hemant Ku Nayak	Advancement of Novel Materials & its Experimental Observations	<a href="#">Study of Centrifugal Pump Impeller by Changing Outlet Blade Angle</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
10	Tapas Kumar Panda Binoda Bihari Sahoo Niranjan Behera	Advancement of Novel Materials & its Experimental Observations	<a href="#">Study on Automatic Spray of Distribution Boom System of Truck-Mounted Concrete Pump</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
11	Pradipta Kumar Das Hemant Ku Nayak Satyaprakash Mishra	Advancement of Novel Materials & its Experimental Observations	<a href="#">A Fast and Economical Method for Producing Self wipe Twin screw Extruder</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
12	Ajaya Kumar Beura Priyabrata Jena Anand Mandal Deepika Priyadarshini Palai	Advancement of Novel Materials & its Experimental Observations	<a href="#">Interfacial Debonding in Fiber-Reinforced Polymers and its Effect on Microstructure</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
13	Sanjeet Raj Kalpana Mallick Alivasakhi Mishra	Advancement of Novel Materials & its Experimental Observations	<a href="#">Boiling Heat Transfer: Mechanisms, Models, and Correlations</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
14	Shaik Mozammil Deepikarani Swain Kalpana Mallick Biswa Ranjan Pradhan Saleema Panda	Advancement of Novel Materials & its Experimental Observations	<a href="#">Influence of Relative Humidity and Roughness on the Friction Coefficient</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
15	P K Swain Debi Prasad Singh Ranjan Kumar Barsa Priyadarshini Sahoo	Advancement of Novel Materials & its Experimental Observations	<a href="#">Compression of Air Discharging from a Blowing Unit</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
16	Babita Meher Bipash Mohanty S. C. Mishra Chinmay Swain Sidharth Pradhan	Advancement of Novel Materials & its Experimental Observations	<a href="#">Computational Aerodynamics Simulation of NREL Phase Rotor</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
17	Alok Sunder Mohanty Subhasis Sarkar Sidharth Pradhan Jagruiti Swain	Advancement of Novel Materials & its Experimental Observations	<a href="#">Cost-Control Skyhook for Vehicle Suspension System</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
18	Sarat Kumar Mishra Jyotikusum Acharya Abinash Sahoo Sikendar Sharma	Advancement of Novel Materials & its Experimental Observations	<a href="#">Novel Model for Two-Cup Horizontal Wind-Turbine Analysis</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
19	Suraj Kumar Patel Priyabrata Jena Bijayalaxmi Behera Saruk Mallick	Advancement of Novel Materials & its Experimental Observations	<a href="#">Correlation of S-N and da/dN- K Curves for any Particular Materials</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
20	Bidyuta Ranjan Rout Sidharth Pradhan Rajaram Sahu	Advancement of Novel Materials & its Experimental Observations	<a href="#">Fluid Friction Factor Abandoned, and the Transformed Moody Chart</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
21	Nirmal Charan Mallik Niranjan Behera Abinash Sahoo Binoda Bihari Sahoo	Advancement of Novel Materials & its Experimental Observations	<a href="#">Optimization Algorithm for Two-Finger Grippers Kinematic Mechanisms</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
22	Priyabrata Jena Suraj Kumar Patel Hemant Ku Nayak Shradha Jena	Advancement of Novel Materials & its Experimental Observations	<a href="#">In a microreactor, non-catalytic and glycerol-free biodiesel generation</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
23	Deepikarani Swain Debi Prasad Singh Bhagyashree Panda Biswa Ranjan Pradhan	Advancement of Novel Materials & its Experimental Observations	<a href="#">Hybrid Electrical Air-Cushion Tracked Vehicle for Swamp Peat</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
24	Shakyasingha Sahoo Alok Sunder Mohanty Satyaprakash Mishra	Advancement of Novel Materials & its Experimental Observations	<a href="#">Suspension System Based on Genetic Algorithm and Neural Network Control</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
25	Kalpana Mallick Nirmal Charan Mallik, Binapani Mohapatra	Advancement of Novel Materials & its Experimental Observations	<a href="#">Numerical Simulation Analysis of Circular Synthetic Jets with Asymmetric Forcing</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
26	Debi Prasad Singh Bidyuta Ranjan Rout S. C. Mishra Alivasakhi Mishra	Advancement of Novel Materials & its Experimental Observations	<a href="#">Sensitivity Analysis on the Stress Levels in a Human Mandible</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
27	Sarat Kumar Mishra Abinash Sahoo Suryaleen Rout Sidhanta Behera	Advancement of Novel Materials & its Experimental Observations	<a href="#">A Performance Evaluation of Four Bar Mechanism</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
28	P. Paulpandian Chinmay Swain Sudeepta Kishor Dash Raushan Gupta	Advancement of Novel Materials & its Experimental Observations	<a href="#">Investigation on Cervical Spine Injuries in Vehicle Side Impact</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
29	Sanjeet Raj Niranjan Behera Anjan Kumar M. U. Kankan Mandal	Advancement of Novel Materials & its Experimental Observations	<a href="#">FEM Analysis of High-Speed Motorized Spindle</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
30	Rajaram Sahu Ajaya Kumar Beura Suchampa Bagchi	Advancement of Novel Materials & its Experimental Observations	<a href="#">Numerical Analysis for Composite Wing Structure Design</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
31	Pradipta Kumar Das Nalinikanta Swain Shradhanjali Moharana Deepika Priyadarshini Palai	Advancement of Novel Materials & its Experimental Observations	<a href="#">Cutting Geometry and Base-Cone Parameters of Manufacturing</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
32	Saswati Nayak Chinmay Swain Tapas Kumar Panda	Advancement of Novel Materials & its Experimental Observations	<a href="#">Intelligent Prediction of Process Parameters for Bending Forming</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
33	Manohar Kumar Singh Sidhanta Behera Kalpana Mallick	Advancement of Novel Materials & its Experimental Observations	<a href="#">Thermal Process of MIG Welding of Aluminum Alloy</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
34	Jitendra Narayan Biswal Kalpana Mallick Priyabrata Jena Sikendar Sharma Biswa Ranjan Pradhan	Advancement of Novel Materials & its Experimental Observations	<a href="#">Thermal Performance of Copper Mould in Slab Continuous Casting</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
35	Tapan Kumar Mohanty Hemant Ku Nayak Saleema Panda Barsa Priyadarshini Sahoo	Advancement of Novel Materials & its Experimental Observations	<a href="#">Algorithms of Graphic Element Recognition for Precise Vectorization</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
36	Pili Kumari Sahoo Niranjan Behera Abinash Sahoo	Advancement of Novel Materials & its Experimental Observations	<a href="#">Meshing of Spiral Bevel Gears Manufactured by Generating Line Method</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
37	Babita Meher Shakyasingha Sahoo Rajaram Sahu Bipash Mohanty	Advancement of Novel Materials & its Experimental Observations	<a href="#">Particle Focusing and Separation through Lab-On-Chip Device</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
38	Bhagyashree Panda Sidharth Pradhan S. C. Mishra Mdaras Aras Ansari	Advancement of Novel Materials & its Experimental Observations	<a href="#">Transient Preheating Process of a Regenerative Oxidation Bed</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
39	Alok Sunder Mohanty Subhasis Sarkar Jagruiti Swain	Advancement of Novel Materials & its Experimental Observations	<a href="#">Tooth Modification of Spur Bevel Gear</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
40	Nirmal Charan Mallik Chinmay Swain Saswati Nayak Jyotikusum Acharya	Advancement of Novel Materials & its Experimental Observations	<a href="#">Analysis on Jet Characteristics of Combined Plasma Arc</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
41	Debi Prasad Singh Suraj Kumar Patel Deepika Priyadarshini Palai	Advancement of Novel Materials & its Experimental Observations	<a href="#">Testing and Manufacturing of Advanced Composite Material</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
42	Bidyuta Ranjan Rout Binapani Mohapatra Ranjan Kumar Shradha Jena	Advancement of Novel Materials & its Experimental Observations	<a href="#">Traction Motor Sizing for Optimal Fuel Economy</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
43	Nalinikanta Swain Sarat Kumar Mishra Saruk Mallick Satyaprakash Mishra Suryaleen Rout	Advancement of Novel Materials & its Experimental Observations	<a href="#">A Manufacturing Model for Ball-End Mill Gashing</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
44	P. Paulpandian Deepikarani Swain Debi Prasad Singh	Advancement of Novel Materials & its Experimental Observations	<a href="#">Simulation of Bifurcate Fracture of Linear Red Copper Penetrator</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
45	Sanjeet Raj Ranjan Kumar Sidhanta Behera Swarup Sahoo	Advancement of Novel Materials & its Experimental Observations	<a href="#">Limit and Shakedown Analysis of Circular Tube Containing External Pit</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
46	Sarat Kumar Mishra Saswati Nayak Chinmay Swain	Advancement of Novel Materials & its Experimental Observations	<a href="#">Experimental Analysis of Plastic Zone at Crack Tip</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
47	Chinmay Swain Subhasis Sarkar Suraj Kumar Patel Swarup Sahoo	Advancement of Novel Materials & its Experimental Observations	<a href="#">Analysis of a Human Mandible with Added Temporomandibular Joints</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
48	Bidyuta Ranjan Rout Sidharth Pradhan Monalika Mohanty Suchampa Bagchi	Advancement of Novel Materials & its Experimental Observations	<a href="#">Analysis of Stress in an Endosseous Dental Implant</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
49	Nirmal Charan Mallik Priyabrata Jena Kalpana Mallick	Advancement of Novel Materials & its Experimental Observations	<a href="#">Residual Stress Analysis of AA2024-T3 Friction Stir Welding</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
50	Babita Meher Debi Prasad Singh Kankan Mandal Subhasis Sarkar	Advancement of Novel Materials & its Experimental Observations	<a href="#">Heave Compensation Control for Benthic Coring Drill</a>	Implementation of New Technology in Modern Engineering	International Conference on Synthesis, Characterization and Modelling Study of Advance Material	International	2019-2020	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
51	Shaik Mozammil, Nilgrib Mohanty, Debi Prasad Singh, Sikendar Sharma	Experimental analysis, modelling and verification of advance materials	<a href="#">Influence of Microstructure, Hardness, and Tensile Properties of an Al Alloy MMC</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental



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52	Pradyut Kumar Swain Nilimashree Niharika Biswa Ranjan Pradhan Nalinikanta Swain	Experimental analysis, modelling and verification of advanced materials	<a href="#">Improvement of thermal behavior of hollow sintered bricks integrated with both thermal insulation material (TIM) and Phase-Change Material (PCM)</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
53	Bhagyashree Panda Saleema Panda Barsa Priyadarshini Sahoo Debi Prasad Singh	Experimental analysis, modelling and verification of advance materials	<a href="#">Effect of B4C particle in wear characteristic of cast AL A356 composite</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
54	P. Paulpandian Nilanchala Swain Ranjan Kumar	Experimental analysis, modelling and verification of advance materials	<a href="#">Study of wear analysis of AL-B4C and fly-ash hybrid composites</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
55	Saswati Nayak Nirmal Charan Mallik Chinmay Swain	Experimental analysis, modelling and verification of advance materials	<a href="#">Fabrication and mechanical properties of aluminium-boron carbide composites</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
56	Chinmay Swain Bidyuta Ranjan Rout Bipash Mohanty Atul	Experimental analysis, modelling and verification of advance materials	<a href="#">Production of B4C Reinforced 2024 Al Matrix Composites by Mechanical Alloys</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
57	Suraj Kumar Patel Subhasis Sarkar S. C. Mishra Mdaras Aras Ansari	Experimental analysis, modelling and verification of advance materials	<a href="#">Effect of Titanium Addition on the Properties of Al-Boron Carbide Interface: A microstructure study</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
58	Sarat Kumar Mishra Osin Sanghamita Patel Sidharth Pradhan Jagruiti Swain Jyotikusum Acharya	Experimental analysis, modelling and verification of advance materials	<a href="#">Synthesis, characterization and mechanical of nickel coated graphite on aluminium metal matrix composite</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
59	Himanshu Sekhar Moharana Sharadhananda Ghadei Binapani Mohapatra Rajaram Sahu	Experimental analysis, modelling and verification of advance materials	<a href="#">Analysis with the sintered temperature of mean grain size of B4C–Al–Ni composites by ultrasonic techniques</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
60	Pradipta Kumar Das Subhranshu Kumar Muduli Shakyasingha Sahoo	Experimental analysis, modelling and verification of advance materials	<a href="#">Analysis and characterization of hybrid AL composites reinforced with Ni particulates and interconnected Fe mesh</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
61	Ajaya Kumar Beura Abinash Sahoo Shradha Jena Saruk Mallick	Experimental analysis, modelling and verification of advance materials	<a href="#">Mechanical properties and fracture mechanisms of AL matrix composites reinforced by Al (Co, Ni)</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
62	Niranjan Behera Rasmita Bhuyan Deepika Priyadarshini Palai Satyaprakash Mishra Suryaleen Rout	Experimental analysis, modelling and verification of advance materials	<a href="#">Hybrid Al MMC reinforced with SiC and TiB</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
63	Sanjeet Raj Priyabrata Garu Niranjan Behera Anand Mandal Alivasakhi Mishra	Experimental analysis, modelling and verification of advance materials	<a href="#">The influence of electroless ni coated SiC on the interface strength and microhardness of AL composites</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
64	Hemant Ku Nayak Harish Chand Giri Tapas Kumar Panda Sudeepta Kishor Dash Sidhanta Behera	Experimental analysis, modelling and verification of advance materials	<a href="#">The analysis of electroless ni coated SiC on the interface strength and microhardness of AL composites</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
65	Manohar Kumar Singh Stutee Mohanty Priyabrata Jena Kalpana Mallick	Experimental analysis, modelling and verification of advance materials	<a href="#">Experimental analysis for investigating wear of porous thermal insulation systems exposed to hot gas flow</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
66	Jitendra Narayan Biswal Deepikarani Swain Nalinikanta Swain Debi Prasad Singh	Experimental analysis, modelling and verification of advance materials	<a href="#">Impact of state of charge dependent exchange current density on the generated voltage hysteresis of silicon anode-based lithium half cells</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
67	Tapan Kumar Mohanty Priyabrata Garu Ranjan Kumar Bijayalaxmi Behera	Experimental analysis, modelling and verification of advance materials	<a href="#">Thermal deformation of a thermal shield material vs. method of heat supply</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
68	Biswaranjan Biswal Harish Chand Giri Binoda Bihari Sahoo Saswati Nayak	Experimental analysis, modelling and verification of advance materials	<a href="#">Physics of deactivation of gyroscopic inertial forces</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
69	Chinmay Swain Shradhanjali Moharana Babita Meher Sourav Debasish	Experimental analysis, modelling and verification of advance materials	<a href="#">Analysis of many types of IC engine cylinder fins by varying thickness and introducing slots</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
70	Raushan Gupta Sagarika Pasayat Bhagyashree Panda Subhasis Sarkar	Experimental analysis, modelling and verification of advance materials	<a href="#">Numerical Study of Ballistic Resistance Of Composites AL Based on Sandwich Metallic Foams</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
71	P K Swain Sthitiprajanya Satpathy Suchampa Bagchi Sidharth Pradhan	Experimental analysis, modelling and verification of advance materials	<a href="#">Analysis and Impact model of the Al2O3/ZrO2 composite by peridynamics</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
72	Shaik Mozammil Murari Prasad Panda Rajaram Sahu Swarup Sahoo	Experimental analysis, modelling and verification of advance materials	<a href="#">A study of 3D printed bio-composite removable connection system for bamboo spatial structures</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
73	Anjan Kumar M. U. Shakyasingha Sahoo P. Paulpandian Smita Sahoo	Experimental analysis, modelling and verification of advance materials	<a href="#">Out of plane crushing response of aluminum c o m p o s i t e s honeycombs in-situ filled with graphene-reinforced.</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
74	Nirmal Charan Mallik Jyotirmayee Panda Abinash Sahoo Monalika Mohanty	Experimental analysis, modelling and verification of advance materials	<a href="#">The mechanical effects of kissing bonding defects in hybrid metal-composite laminates and developments.</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
75	Bidyuta Ranjan Rout Raghupatruni Bhima Rao Kankan Mandal Niranjan Behera	Experimental analysis, modelling and verification of advance materials	<a href="#">Analysis of thermal conductivity of 3-dimensional graphene papers and composites</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
76	Nilgrib Mohanty Suraj Kumar Patel Hemant Ku Nayak Monalika Mohanty	Experimental analysis, modelling and verification of advance materials	<a href="#">Analysis of combination of electric supercharger and Miller Cycle in a gasoline IC engine to improve thermal efficiency without performance degradation</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
77	Sarat Kumar Mishra Nilimashree Niharika Anjan Kumar M. U. Priyabrata Jena	Experimental analysis, modelling and verification of advance materials	<a href="#">Study and development boost pressure control of twin charger diesel engines</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
78	Himanshu Sekhar Moharana Nilanchala Swain Swarup Sahoo Kalpana Mallick	Experimental analysis, modelling and verification of advance materials	<a href="#">The one-dimensional model of the scavenging process in the opposed-position four-stroke aircraft diesel engine</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
79	Atul Ajaya Kumar Beura Priyabrata Jena Suchampa Bagchi	Experimental analysis, modelling and verification of advance materials	<a href="#">Transient hydraulic loads acting on PWR steam generator tubes and supports during blowdown following a feed water line break</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
80	Sanjeet Raj Osin Sanghamita Raushan Gupta Hemant Ku Nayak	Experimental analysis, modelling and verification of advance materials	<a href="#">Analysis and Work design for airport security officers: Effects of rest break schedules and adaptable automation work.</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
81	Niranjan Behera Shradhanjali Moharana Sharadhananda Ghadei Tapas Kumar Panda	Experimental analysis, modelling and verification of advance materials	<a href="#">A model of dynamical SUSY breaking and development</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
82	Manohar Kumar Singh Subhanshu Kumar Muduli Binoda Bihari Sahoo Abinash Sahoo	Experimental analysis, modelling and verification of advance materials	<a href="#">A study and experimental combination of electric supercharger and Miller Cycle in a gasoline engine to improve mechanical efficiency without performance degradation</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
83	Rasmita Bhuyan Jitendra Narayan Biswal Shakyasingha Sahoo Bijayalaxmi Behera	Experimental analysis, modelling and verification of advance materials	<a href="#">An analytical methods of boost pressure control of twin charger diesel engines</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
84	Tapan Kumar Mohanty Priyabrata Garu Sidhanta Behera Rajaram Sahu	Experimental analysis, modelling and verification of advance materials	<a href="#">Design and development of a compact and efficient range extender engine</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
85	Harish Chand Giri Biswaranjan Biswal Sidharth Pradhan Sudeepta Kishor Dash	Experimental analysis, modelling and verification of advance materials	<a href="#">A study of electric supercharger and Miller Cycle in a gasoline engine to improve mechanical efficiency without performance degradation</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
86	Tapan Kumar Mohanty Stutee Mohanty Alivasakhi Mishra Subhasis Sarkar	Experimental analysis, modelling and verification of advance materials	<a href="#">A 380 kW/liter direct injection power IC rotary valve super-turbocharged positive ignition methanol engine</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
87	Sourav Debasish Jitendra Narayan Biswal Chinmay Swain Anand Mandal	Experimental analysis, modelling and verification of advance materials	<a href="#">Analysis on solar-natural gas combined heating technology in hot and severe cold zone</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
88	Manohar Kumar Singh Sagarika Pasayat Suryaleen Rout Saswati Nayak	Experimental analysis, modelling and verification of advance materials	<a href="#">Analysis and detection of vibrio diagnostic signs of working body acoustic vibrations in GPA-16R "Ufa" gas channel</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
89	Tapas Kumar Panda Sanjeet Raj Ranjan Kumar Debi Prasad Singh	Experimental analysis, modelling and verification of advance materials	<a href="#">Development and characteristics of a supercharged variable compression ratio diesel engine fueled by biodiesel blends</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
90	Ajaya Kumar Beura Sthitiprajanya Satpathy Satyaprakash Mishra Nalinikanta Swain	Experimental analysis, modelling and verification of advance materials	<a href="#">Tribological Superconducting transition driven by time-reversal-symmetry breaking system.</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
91	Murari Prasad Panda Pradipta Kumar Das Deepikarani Swain Saruk Mallick	Experimental analysis, modelling and verification of advance materials	<a href="#">Analysis of thermosolutal conduction from an embedded I-Shaped inside an inclined infinite-shaped enclosure suspended by NEPCM</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
92	Himanshu Sekhar Moharana Smita Sahoo Deepika Priyadarshini Palai Shradha Jena Nalinikanta Swain	Experimental analysis, modelling and verification of advance materials	<a href="#">Analysis and fault detection of low global warming potential refrigerant supermarket refrigeration system: Experimental Investigation</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
93	Debi Prasad Singh Binapani Mohapatra Jyotirmayee Panda Sarat Kumar Mishra	Experimental analysis, modelling and verification of advance materials	<a href="#">Development and evaluation of CO2 supermarket refrigeration system with single-ejector and dedicated mechanical supercooling</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
94	Jyotikusum Acharya Ranjan Kumar Suraj Kumar Patel Smita Sahoo Murari Prasad Panda	Experimental analysis, modelling and verification of advance materials	<a href="#">Experimental and Optimization of group control strategy and analysis of energy saving in refrigeration plant</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
95	Sthitiprajanya Satpathy Sagarika Pasayat Bidyuta Ranjan Rout Saswati Nayak Jagruiti Swain	Experimental analysis, modelling and verification of advance materials	<a href="#">Experimental Review on Cold Thermal Energy Storage Applied to Refrigeration Systems Using Phase Change Materials</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
96	Nirmal Charan Mallik Sourav Debasish Mdaras Aras Ansari S. C. Mishra Chinmay Swain	Experimental analysis, modelling and verification of advance materials	<a href="#">Evaluation of cyclic performance of silica adsorbent with steam regeneration using simulated NGCC flue gas and actual flue gas of a water tube boiler in a bubbling fluidized bed reactor</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
97	Bidyuta Ranjan Rout Suraj Kumar Patel Subhasis Sarkar Sidharth Pradhan Rajaram Sahu	Experimental analysis, modelling and verification of advance materials	<a href="#">Experimental and characteristics of a supercharged variable compression ratio IC engine fueled by biodiesel blends</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
98	Sarat Kumar Mishra Himanshu Sekhar Moharana Stutee Mohanty Harish Chand Giri Shakyasingha Sahoo Bipash Mohanty	Experimental analysis, modelling and verification of advance materials	<a href="#">Development and quantitative risk analysis applied to refrigeration industry using computational modeling</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
99	Abinash Sahoo Niranjan Behera Shaik Mozammil Priyabrata Garu Barsa Priyadarshini Sahoo Saleema Panda	Experimental analysis, modelling and verification of advance materials	<a href="#">Analysis and development Energy and exergy analysis of parallel flow double effect H2O-[mmim][DMP] absorption refrigeration system for solar powered district cooling</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
100	P K Swain Biswaranjan Biswal Nilgrib Mohanty Sikendar Sharma Hemant Ku Nayak Kankan Mandal	Experimental analysis, modelling and verification of advance materials	<a href="#">Performance Analysis of a Bio-based ultra-lightweight concrete using Acoustic absorption and thermal insulation</a>	Processing and fabrication of advanced materials	International Conference on challenges for the advancement of materials and processing	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
101	Pradyut Kumar Swain, Kalpana Mallick, Raghupatruni Bhima Rao, Kankan Mandal	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Design and Development of a condenser for thermal energy storage systems</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
102	Shaik Mozammil Nilgrib Mohanty Monalika Mohanty Priyabrata Jena	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Analytical method for determining heat transfer and packing distribution in shell and tube heat exchanger for concentrated solar power</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
103	Hemant Ku Nayak Atul Babita Meher	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Type of heat exchangers and its performance with a parabolic solar collectors</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
104	Swarup Sahoo Niranjan Behera Bhagyashree Panda Harish Chand Giri	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Analysis and verification of a gamma-type MTD stirling engine</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
105	Alok Sunder Mohanty Akashprava Panda Abinash Sahoo Suchampa Bagchi Raushan Gupta	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Study of cooling system through thermal management of an LTO cell for high-current profiles.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
106	Osin Sanghamita Patel Sarat Kumar Mishra Shradhanjali Moharana Shakyasingha Sahoo	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Development of hollow sintered bricks integrated with both thermal insulation material (TIM) as well as Phase-Change Material (PCM)</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
107	Bidyuta Ranjan Rout Sharadhananda Ghadei Rajaram Sahu Binoda Bihari Sahoo	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Experimental verification of U-shaped segmented unidirectional heat pipe array cogeneration unit</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
108	Suraj Kumar Patel Subhranshu Kumar Muduli Bijayalaxmi Behera Sidharth Pradhan	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Performance analysis of air conditioning system using and study of its modelling through innovative heat pipe exchanger</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
109	Sagarika Pasayat Avaya Kumar Baliarsingh Subhasis Sarkar Sidhanta Behera Sudeepta Kishor Dash	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Study of bent-flattened sintered-grooved heat pipe and its mathematical modelling by the help of receding-and-excessing fluid</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
110	Chandrabhanu Malla Sourav Debasish Alivasakhi Mishra Anand Mandal Chinmay Swain	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Experimental analysis and performance of a new drill equipped with heat pipe as well as nanofluid</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
111	Murari Prasad Panda Satchidananda Mohanty Saswati Nayak Suryaleen Rout	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Comparative study of the annual performance in between the conventional and the heat pipe PV/T systems</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
112	Ajaya Kumar Beura Subrat Kumar Panda Satyaprakash Mishra Ranjan Kumar	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Waste material storage and recovery with effectively by additively manufactured grid heat exchangers</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
113	Rupalika Dash Suchismita Satpathy Debi Prasad Singh Saruk Mallick	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Experimental study of heat pipe and its removal removal system for the reactor driven subcritical facility</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
114	Sampad Kumar Pradhan Himanshu Sekhar Moharana Deepika Priyadarshini Palai Nalinikanta Swain Shradha Jena	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Study of masonry panels by external thermal insulation subjected to in-plane diagonal compression</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
115	Manohar Kumar Singh Sthitiprajanya Satpathy Binapani Mohapatra Deepikarani Swain	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Design, analysis and development of a compact and efficient range extender engine</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
116	Smita Sahoo Jitendra Narayan Biswal Nalinikanta Swain Jyotikusum Acharya	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Experimental verification and theoretical analysis of the airtowater multi-passheatpipe-basedheatexchanger</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
117	Tapan Kumar Mohanty Baroda Prasanna Sahoo Jagruti Swain Deepikarani Swain	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Experimental of a full-scale heat pipe exchanger in the ceramics industry for waste material</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
118	Pradipta Kumar Das Jyotirmayee Panda Nalinikanta Swain Mdaras Aras Ansari	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Analytical method of high temperature minichannel heat exchanger for microturbine system</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
119	Baroda Prasanna Sahoo Tapan Kumar Mohanty S. C. Mishra Debi Prasad Singh	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Performance study of thermal vacuum insulation panels withEPS protection layers</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
120	Ranjan Kumar Saswati Nayak Manohar Kumar Singh Himanshu Sekhar Moharana	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Studies of compatibility between an indirect injection diesel injector and biodiesel of various compositions Tests that are conducted in a controlled environment</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
121	Rupalika Dash Sthitiprajanya Satpathy Chinmay Swain Barsa Priyadarshini Sahoo	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Application of oxygenates and injection timing for low emissions and high performance in a diesel engine using multi-response optimisation</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
122	Sampad Kumar Pradhan Ajaya Kumar Beura Saleema Panda Subhasis Sarkar Rajaram Sahu Sidharth Pradhan	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Characteristics of a CI engine and its effect of compression ratio and fuel injection pressure of a CI engine operating with methanol/diesel blends</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
123	Satchidananda Mohanty Suchismita Satpathy Sidharth Pradhan Ranjan Pradhan Sikendar Sharma	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Mathematical study of turbulence-inducing elements with various geometries and utilization of hybrid nanoparticles in a double pipe heat exchanger</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
124	Chandrabhanu Malla Subrat Kumar Panda Saleema Panda Rajaram Sahu	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Characteristics study of in-nozzle flow and spray in large two-stroke marine diesel fuel injectors</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
125	Murari Prasad Panda Avaya Kumar Baliarsingh Shakyasingha Sahoo Barsa Priyadarshini Sahoo	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Detailed analysis of heat pipe technology for foldable electronic devices</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental



3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
126	Sourav Debasish Bipash Mohanty Suraj Kumar Patel Abinash Sahoo	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">An additivity water resources assessment indicator by combining water quantity and water quality</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
127	Sagarika Pasayat S. C. Mishra Niranjan Behera Bidyuta Ranjan Rout	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Use of reprocess rubber inclusions with granular waste for enhanced track performance</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
128	Mdaras Aras Ansari Jagruiti Swain Subhranshu Kumar Muduli Sarat Kumar Mishra	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Experiments on Green and Sustainable Building Techniques.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
129	Sharadhananda Ghadei Alok Sunder Mohanty Jyotikusum Acharya Hemant Ku Nayak	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Fiber-Reinforced Flexible Pavements</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
130	Bhagyashree Panda Osini Sanghamita Patel Priyabrata Jena Binapani Mohapatra Shradha Jena	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Fillers on the Stability Properties of Stone Asphalt.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
131	Deepika Priyadarshini Palai Saru Mallick Akashprava Panda Kalpana Mallick	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Foundation of the Highest Skyscraper.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
132	Satyaprakash Mishra Suryaleen Rout Harish Chand Giri Anand Mandal	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Geotechnical Narrative for Cost in Highway Projects.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
133	Atul Alivasakhi Mishra Sudeepta Kishor Dash Priyabrata Jena	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Groundwater Level Estimation of a Coal Open Pit Mine.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
134	Nilgrib Mohanty Hemant Ku Nayak Sidhanta Behera Sudeepta Kishor Dash	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Impact of Waste Steel Slag on the Strength of Geopolymer Concrete by replacing Fine Aggregate.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
135	Raghupatruni Bhima Rao Sidhanta Behera Bijayalaxmi Behera Babita Meher	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Experimental and analytical investigation of ferrocement water pipe.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
136	Binoda Bihari Sahoo Shradhanjali Moharana Harish Chand Giri Akashprava Panda	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Mechanical behavior of rock under dynamic loading.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
137	Nilgrib Mohanty Shaik Mozammil Raushan Gupta Abinash Sahoo	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Nanotechnology in Civil Engineering.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
138	Niranjan Behera Suchampa Bagchi Subhranshu Kumar Muduli Alok Sunder Mohanty	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Natural Frequencies of Arch Dams Using Ambient and Forced Vibration Tests.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
139	Atul Pradipta Kumar Das Swarup Sahoo Hemant Ku Nayak Anjan Kumar M. U.	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">NOMINAL AXIAL RESISTANCE OF DRILLED SHAFTS IN CEMENTED SOILS</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
140	Sthitiprajanya Satpathy Tapan Kumar Mohanty Monalika Mohanty Niranjan Behera	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">A Numerical Investigation of Segmental Lining Joints Water Conveyance Tunnel.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
141	Jyotirmayee Panda Sikendar Sharma Biswa Ranjan Pradhan Saleema Panda	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Partial Replacement of Quartz Sand as Fine Aggregate in Concrete.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
142	Baroda Prasanna Sahoo Barsa Priyadarshini Sahoo Bipash Mohanty S. C. Mishra	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Practical Solution for Traffic Congestion in Indian Cities.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
143	Mdaras Aras Ansari Jagruiti Swain Jyotikusum Acharya Smita Sahoo	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">A HOLISTIC LITERATURE REVIEW OF BUILDING INFORMATION MODELING FOR PREFABRICATED CONSTRUCTION.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
144	Sthitiprajanya Satpathy Binapani Mohapatra Shradha Jena Deepika Priyadarshini Palai	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Production of Sustainable Concrete by Nano Recycled Glass.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
145	Sampad Kumar Pradhan Saru Mallick Satyaprakash Mishra Suryaleen Rout	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Punching Shear Strength of Concrete Bridge Decks</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
146	Suchismita Satpathy Anand Mandal Alivasakhi Mishra Sudeepta Kishor Dash	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Reinforced Concrete Structures with FRP Bar.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
147	Sidhanta Behera Subrat Kumar Panda Bijayalaxmi Behera Binoda Bihari Sahoo	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Replacement of Coarse Aggregate by Demolished Building Waste with crushed concrete.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
148	Murari Prasad Panda Suchampa Bagchi Raushan Gupta Shradhanjali Moharana	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Seismic Behavior of Steel-Concrete Composite Column.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
149	Sourav Debasish Raushan Gupta Suchampa Bagchi Swarup Sahoo	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">SFRC Modeling and Non-Linear Analysis for Cyclic Loading.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
150	Nilgrib Mohanty Anjan Kumar M. U. Monalika Mohanty Babita Meher Deepikarani Swain	Applications of advanced material for aerospace, marine and automobile industry	<a href="#">Smart self-sensing composite materials.</a>	Advanced processing and fabrication of advanced metals & materials	International Conference on Performance and effectiveness of metals and materials	International	2018-2019	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
151	Babita Meher Deepikarani Swain Nalinikanta Swain Debi Prasad Singh	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Analysis of hydrogen-heavy fuel combustion process with water addition in an adapted low speed two stroke diesel engine and predicting the outcome for performance improvement</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
152	Nilgrib Mohanty Sikendar Sharma Biswa Ranjan Pradhan Saleema Panda	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Soil Stabilization of a Cement Stabilized Soft Soil Treated with Acrylic Resin Additive</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
153	Ranjan Kumar Saswati Nayak Chinmay Swain Alok Sunder Mohanty	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Study of Injection timing on CI engines fuelled with algae oil and blend with taguchi technique</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
154	Sourav Debasish Barsa Priyadarshini Sahoo Bipash Mohanty S. C. Mishra	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Stability of Surrounding Rock of tunnel for Horizontal Rock Strata</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
155	Bidyuta Ranjan Rout Subhasis Sarkar Sidharth Pradhan Sagarika Pasayat	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Analysis of corrosion risk for tube-and-shell heat exchangers and design of outlet temperature control system</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
156	Akashprava Panda Mdaras Aras Ansari Jagruati Swain Rajaram Sahu Suraj Kumar Patel	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Study of Engineering Properties of a Clayey Subgrade due to addition of Rice Husk Ash and Lime</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
157	Avaya Kumar Baliarsingh Shakyasingha Sahoo Abinash Sahoo Niranjan Behera	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Analysis and study of retarded fuel injection timing on combustion and emissions of a diesel engine fueled with canola biodiesel</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
158	Osin Sanghamita Patel Osin Sanghamita Patel Binapani Mohapatra Shradha Jena	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Study of Physical Properties of a Granite Residual Soil</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
159	Chandrabhanu Malla Hemant Ku Nayak Priyabrata Jena Kalpana Mallick	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Collection and analysis of data at various injection pressures, of CNG and HCNG engine performance and emission characteristics.</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
160	Sharadhananda Ghadei Deepika Priyadarshini Palai Saruk Mallick Satyaprakash Mishra	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Study of Sand Reinforced with Discrete Inclusions</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
161	Deepikarani Swain Nalinikanta Swain Subhranshu Kumar Muduli Debi Prasad Singh	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Improving diesel engine startability under low temperatures by vortex tubes</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
162	Sourav Debasish Satchidananda Mohanty Ranjan Kumar Suryaleen Rout	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Study of strength and compressibility characteristics decomposing fibre-clay soils</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
163	Ajaya Kumar Beura Aditya Prasad Das Harish Chand Giri Saswati Nayak	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Effectiveness and performance study of cellulose fiber as a thermal insulation material for productive biogas systems</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
164	Subhasis Sarkar Sidharth Pradhan Rajaram Sahu Rupalika Dash	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Impact analysis of different nanoparticle metal oxides as fuel additives in CI engines</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
165	Subhasis Sarkar, Sidharth Pradhan, Rajaram Sahu, Rupalika Dash,	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Impact analysis of different nanoparticle metal oxides as fuel additives in CI engines</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
166	Raghupatruni Bhima Rao Kankan Mandal Monalika Mohanty Deepikarani Swain	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Critical review of system dynamics modeling applications for water resources planning and management</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
167	Swarup Sahoo Suchampa Bagchi Nalinikanta Swain Satchidananda Mohanty	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Study of the injection pressure and fracture geometry response during near-wellbore diverting fracturing</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
168	Ajaya Kumar Beura Flora Das Ranjan Kumar Raushan Gupta	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">The Rheological and Mechanical Properties of High-performance Self-compacting Concrete with High-calcium Fly Ash</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
169	Sourav Debasish, Rupalika Dash Shradhanjali Moharana Saswati Nayak	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Permeable Pavements Hydraulic Design : An Experimental Study.</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
170	Priyadarshan Mahana Harish Chand Giri Chinmay Swain Binoda Bihari Sahoo Bijayalaxmi Behera	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Durability Phenomena of Bitumen and Bituminous Pavement Materials</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
171	Sidhanta Behera Sudeepta Kishor Dash Murari Prasad Panda Sarat Kumar Mishra Subhasis Sarkar	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Traffic Impact Assessment of Land</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
172	Jitendra Narayan Biswal Subrat Kumar Panda Sidharth Pradhan Alivasakhi Mishra	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Ameliorating Pre-cast Concrete Curbs Using Rubber and Nano Material</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
173	Suchismita Satpathy Tapan Kumar Mohanty Anand Mandal Suryaleen Rout Rajaram Sahu	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Optimization of the Design of Water Distribution Systems for Variable Pumping Flow Rates</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
174	Satyaprakash Mishra Saruk Mallick Deepika Priyadarshini Palai Sthitiprajanya Satpathy Rakesh Kumar Panda	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Investigative analysis on worker's independent and joint travel patterns during weekdays and weekends</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
175	Rakesh Kumar Panda Shradha Jena Binapani Mohapatra Jyotikusum Acharya	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Elucidating fecal pollution patterns in alluvial water resources by linking standard fecal indicator bacteria to river connectivity and genetic microbial source tracking</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
176	Jagruti Swain Mdaras Aras Ansari Atul S. C. Mishra	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Elucidating fecal pollution patterns in alluvial water resources by linking standard fecal indicator bacteria to river connectivity and genetic microbial source tracking</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
177	Nilgrib Mohanty Bipash Mohanty Barsa Priyadarshini Sahoo Saleema Panda	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Protection of drinking water resources from agricultural pressures: Effectiveness of EU regulations in the context of local realities</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
178	Sourav Debasish Biswa Ranjan Pradhan Sikendar Sharma Shakyasingha Sahoo Abinash Sahoo	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Durability of Plaster Mortar for Sand of Dunes Reinforced by Date Palm Fibers</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
179	Sagarika Pasayat Himanshu Sekhar Moharana Niranjan Behera Kankan Mandal	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Development of a Dynamic Control Model for Over-saturated Arterial Corridor</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
180	Akashprava Panda Monalika Mohanty Anjan Kumar M. U. Swarup Sahoo	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Alkaline Activator for Geopolymer Concrete (Metakaolin)</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
181	Osin Sanghamita Patel Sharadhananda Ghadei Suchampa Bagchi Raushan Gupta Shradhanjali Moharana	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Groundwater Level Evaluation for Slope Stability Analysis</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
182	Subhranshu Kumar Muduli Binoda Bihari Sahoo Bijayalaxmi Behera Sidhanta Behera	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Synthetic DNA Crown Cells Kill Yeast</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
183	Sudeepta Kishor Dash Alivasakhi Mishra Anand Mandal Sourav Debasish	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Physicochemical Characterization of Drinking Water Quality of the Communal Water Distribution Network</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
184	Bhagyashree Panda Alok Sunder Mohanty Harish Chand Giri Suryaleen Rout Satyaprakash Mishra	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Composite GFRP Deck for Bridge Structures</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
185	Murari Prasad Panda Bidyuta Ranjan Rout Deepika Priyadarshini Palai Priyabrata Jena	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Changes of the infrastructure and operation parameters of a railway line and their impact to the track capacity and the volume of transported goods.</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
186	Subrat Kumar Panda Suchismita Satpathy Shradha Jena Binapani Mohapatra Jyotikusum Acharya	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Application of Sand Fines and Water/Cement Ratio on as Properties of Concrete</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
187	Suraj Kumar Patel Sthitiprajanya Satpathy Jagruti Swain Mdaras Aras Ansari Niranjan Behera	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Heat transfer enhancement and cooling supercritical carbon dioxide in a heat exchanger: A review and assessment</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
188	Sikendar Sharma Biswa Ranjan Pradhan Saleema Panda Atul	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Canal Construction in Embankments on Sand Flow through Railway Tracks</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
189	Barsa Priyadarshini Sahoo Bipash Mohanty S. C. Mishra Rakesh Kumar Panda	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Cement Grout mixes for treatment of underground cavities</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
190	Sthitiprajanya Satpathy Mdaras Aras Ansari Jagruti Swain Rajaram Sahu	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Study of the geotechnical properties of Collapsible Soil</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
191	Sidharth Pradhan Jyotikusum Acharya Binapani Mohapatra Suchismita Satpathy	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Compressive Strength and Permeability of Sand-Cement-Clay Composite</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
192	Subrat Kumar Panda Shradha Jena Deepika Priyadarshini Palai Saruk Mallick	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Soil Consolidation: Understanding the Percolation Principle</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
193	Murari Prasad Panda Satyaprakash Mishra Suryaleen Rout Anand Mandal	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Classification of Anisotropic Engineering Behaviour of Cement Treated Clayey Mixtures Related to Their Strength and Durability</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
194	Harish Chand Giri Alivasakhi Mishra Sudeepta Kishor Dash Sudeepta Kishor Dash Shakyasingha Sahoo	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Stability of Slope Analysis Using Genetic Algorithm</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
195	Sourav Debasish Sidhanta Behera Bijayalaxmi Behera Binoda Bihari Sahoo	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Study of the Behavior of Unsaturated Soil due to Effect of Treated and Raw Wastewater ABSTRACT Many</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
196	Flora Das Niranjan Behera Raushan Gupta Suchampa Bagchi	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Study of Seismic Stability of Sheet Pile Quay Walls due to Ground Improvement</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
197	Hemant Ku Nayak Subhranshu Kumar Muduli Priyabrata Jena Swarup Sahoo	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Study of boosting performance and emission efficiency in a port fuel injection natural gas engine with variable intake and exhaust valve timing</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
198	Sharadhananda Ghadei Rupalika Dash Anjan Kumar M. U Kalpana Mallick	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Stabilization of Sand Reinforced with Coir Fibre &amp; Coir Geotextiles</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
199	Priyadarshan Mahana Debi Prasad Singh Ranjan Kumar Monalika Mohanty	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Effect of various factors influencing thermal conductivity of building insulation materials</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
200	Raghupatruni Bhima Rao Nilgrib Mohanty Bipash Mohanty Saruk Mallick	Recent Development and feasibility of Mechanical and Civil Engineering	<a href="#">Determination of Ultimate Bearing Capacity of Sand Sub-grades due to effect of Vertical Reinforcement</a>	Innovative Design and Technical Advancement of Civil and Mechanical Engineering	National Conference on Structural Design and Engineering Materials	National	2017-2018	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms



3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
201	Raghupatruni Bhima Rao Sikendar Sharma Biswa Ranjan Pradhan Deepikarani Swain Nalinikanta Swain	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Negative Stiffness Absorbers Study of Vibration Mitigation for Wind Turbine Towers</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
202	Saleema Panda, Nilgrib Mohanty, Barsa Priyadarshini Sahoo, Debi Prasad Singh	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Genetic Algorithm Designed for Stability of Slope Analysis</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
203	Murari Prasad Panda Bipash Mohanty S. C. Mishra Ranjan Kumar	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Seismic Design of Integral Abutment Bridges</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
204	Mdaras Aras Ansari Sourav Debasish Pili Kumari Sahoo Jagruati Swain	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Production of Topology-optimized Structural Nodes</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
205	Akashprava Panda Jyotikusum Acharya Binapani Mohapatra Saswati Nayak	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Evaluation of the Influencing Factors in Target Value Design Process</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
206	Sagarika Pasayat Sharadhananda Ghadei Shradha Jena Deepika Priyadarshini Palai	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Determination of Dynamic Impact Factor of an Existing Pre-stressed Concrete I-Girder Bridge</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
207	Harish Chand Giri Saruk Mallick Chinmay Swain Satyaprakash Mishra	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Optimization of the Heavy Cable Suspending a Deck</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
208	Sampad Kumar Pradhan Tapan Kumar Mohanty Suryaleen Rout Anand Mandal	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Seismic Design of Integral Abutment Bridges</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
209	Alivasakhi Mishra, Suchismita Satpathy, Subrat Kumar Panda, Sudeepta Kishor Dash	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Determination of the Geotechnical Parameters of Stabilized Soils by Stone Column Method based on SPT Results</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
210	Pradyut Kumar Swain Deepikarani Swain Nalinikanta Swain Debi Prasad Singh	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Development and validation of a TRNSYS type for simulating heat pipe heat exchangers in waste heat recovery transient applications</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
211	Flora Das Pradipta Kumar Das Sidharth Pradhan Bijayalaxmi Behera	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Vibration Control of Transmission Line Tower</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
212	Raghupatruni Bhima RaoSikendar Sharma Biswa Ranjan Pradhan Deepikarani Swain	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Study of Impulsive Force of Debris Flow and Flexible Retaining Structure Based on SPH-DEM-FEM Coupling</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
213	Nilgrib Mohanty Saleema Panda Barsa Priyadarshini Sahoo Bipash Mohanty	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Personality Traits on the Evacuation Choice Behavior Pattern in Urban Road Network During Natural Disaster</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
214	Mdaras Aras Ansari S. C. Mishra Sourav Debasish Jagruati Swain	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Under Circular Dynamic Stress Paths Analysis on the Dynamic Modulus and Damping Ratio of Compacted Loose</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
215	Akashprava Panda Nalinikanta Swain Tapan Kumar Mohanty Jyotikusum Acharya	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Unified Failure Strength Analysis for Terrace Slope Reinforcement Materials</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
216	Sagarika Pasayat Jitendra Narayan Biswal Binapani Mohapatra Shradha Jena	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Effect of load on Stress Relaxation of Rock Joints</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
217	Deepika Priyadarshini Palai Saruk Mallick Sagarika Pasayat Satyaprakash Mishra	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Design of RC-Braced Long Columns Based on New Moment Magnifiers</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
218	Sharadhananda Ghadei Suryaleen Rout Debi Prasad Singh Ranjan Kumar	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Dynamic Response of the Bridge-Vehicle System of Random Road Roughness by Moment Method</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
219	Anand Mandal Alivasakhi Mishra Harish Chand Giri P. Paulpandian	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Characteristic of Specimens of Circular Concrete-Filled CFRP-Steel Tubular Beam-Column</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
220	Sampad Kumar Pradhan Sudeepta Kishor Dash Sidhanta Behera Bijayalaxmi Behera	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Random Shape Rockfalls in Steeply Dipping Coal Seams</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
221	Chinmay Swain Saswati Nayak Ranjan Kumar Shaik Mozammil	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Synthesis of heat exchanger networks and it's design and parameters for capital cost estimation</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
222	Suchismita Satpathy Rakesh Kumar Panda Suchampa Bagchi Swarup Sahoo	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Analysis on Plane and Radial Wall Jets to Validate the 2D for an Idealized Downburst Outflow</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
223	Flora Das Anjan Kumar M. U. Monalika Mohanty Kankan Mandal	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Analysis on NSM CFRP Strengthened RC Concrete Beams</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
224	Harish Chand Giri Sikendar Sharma Biswa Ranjan Pradhan Deepikarani Swain	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Hydraulic Fracturing Pressure Relief Technology in the Deep High-Stress Roadway for Rock Control</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
225	Niranjan Behera Abinash Sahoo Shakyasingha Sahoo Himanshu Sekhar Moharana	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Evaluation of heating performance of the PVC earthair tubular heat exchanger applied to a greenhouse in the coastal area of west Syria: An experimental study</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
226	Bipash Mohanty S. C. Mishra Sourav Debasish Mdaras Aras Ansari	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">"Relief-Retaining" Control Technology of Floor Heave in Mining Roadway with Soft Rock</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches



3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
227	Ram Narayan Mishra Jagruiti Swain Jyotikusum Acharya Binapani Mohapatra	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Gas Drainage Based on Multifield Coupling Model of Gas-Bearing Coal</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
228	Atul Ajaya Kumar Beura Shradha Jena Deepika Priyadarshini Palai	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Determination of Shear Strength in RC Beams Using ANN Trained with Tabu Search Training Algorithm</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
229	Nilgrib Mohanty Saruk Mallick Satyaprakash Mishra Suryaleen Rout	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Design of Backfill Highway Subgrade on the Lower Bearing Capacity Foundation By Finite Element Method</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
230	Anand Mandal Alivasakhi Mishra Sudeepta Kishor Dash Murari Prasad Panda	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Measurements of Heart Rate and Facial Expression to Assess Human Reactions in Glass Structures</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
231	Shaik Mozammil Deepikarani Swain Nalinikanta Swain	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Designing a Large MarineTwo-Stroke Diesel Engine with Cylinder Bypass Valve and EGR System</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
232	Shradhanjali Moharana Akashprava Panda Raushan Gupta Debi Prasad Singh	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Experimental Investigation of an RC Slab Culvert Rehabilitated with Grouted CSPs</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
233	Ranjan Kumar Sagarika Pasayat Satchidananda Mohanty Suchampa Bagchi	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Experimental Analysis on Axial Compression of Reinforced Concrete Short Circular Columns Strengthened with Prestressed Semicircular Steel Plates</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
234	Sharadhananda Ghadei Swarup Sahoo Ajaya Kumar Beura Saswati Nayak	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Alternative Load Path Analysis for Assessing the Geometric Agreement of a Cable-Stayed Bridge with Steel Truss Girders</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
235	Ranjan Kumar Saswati Nayak Chinmay Swain Subhasis Sarkar	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Use of nanofluids to improve heat exchanger performance</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
236	Sikendar Sharma Biswa Ranjan Pradhan Saleema Panda Sampad Kumar Pradhan	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Strength Analysis of Flat and Folded Fly Ash-Based Geopolymer Ferrocement Panels under Flexure and Impact</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
237	Subrat Kumar Panda Barsa Priyadarshini Sahoo Bipash Mohanty S. C. Mishra	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Modeling of a Ballastless Track System Resulting from Early-Aged Relative Humidity for the Construction Process</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
238	P. Paulpandian Suchismita Satpathy Chinmay Swain Subhasis Sarkar Mdaras Aras Ansari Jagruiti Swain	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Machine Learning Algorithms to Predict Uniaxial Compressive Strength for Soft Sedimentary Rocks</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
239	Jyotikusum Acharya Binapani Mohapatra Shradha Jena Rakesh Kumar Panda	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Numerical Analysis and Simulation of Maximum Turbidity Zone Formation at Inlet to River</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
240	Flora Das Priyadarshan Mahana Deepika Priyadarshini Palai Saruk Mallick Satyaprakash Mishra	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Analysis of Resilient Modulus Inversion and Evaluation of Different Asphalt Pavement Structures</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
241	Sourav Debasish Sidhanta Behera Bijayalaxmi Behera Binoda Bihari Sahoo	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Method for Construction of an Extra-Long Underwater Tunnel in Soft Soils.</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
242	Sarat Kumar Mishara Debi Prasad Singh Ranjan Kumar Saswati Nayak	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Effect of varios factors influencing thermal conductivity of building insulation materials</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
243	Pradyut Kumar Swain Kalpana Mallick Priyabrata Jena Hemant Ku Nayak	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Designing a energy-efficient HVAC system by utilization of U-shaped finned heat pipe heat exchanger</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
244	Nalinikanta Swain, Sthitiprajanya Satpathy Saleema Panda Barsa Priyadarshini Sahoo	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Steady-State Response Analysis of the Incompressible Nonlocal Saturated Poroelastic Beam under a Vertical Harmonic Load</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
245	Pili Kumari Sahoo Rajaram Sahu Sidharth Pradhan Subhasis Sarkar	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Using response surface methods (RSM), the effect of alumina nanoparticles as additive with diesel–biodiesel blends has been studied on performance and emission characteristic of a six-cylinder diesel engine</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
246	Binoda Bihari Sahoo Shradhanjali Moharana Raushan Gupta Subrat Kumar Panda	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Use of Steel Slag-Superfine Blast Furnace Slag Composite Mineral Admixture on Mortar and Concrete</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
247	Himanshu Sekhar Moharana Debi Prasad Singh Nalinikanta Swain Sikendar Sharma Biswa Ranjan Pradhan	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Thermodynamic analysis and optimization of a water-cooled multi-split heat pipe system in finite time (MSHPS)</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
248	Rakesh Kumar Panda Jitendra Narayan Biswal Sidhanta Behera Subhasis Sarkar	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Numerical Investigation of Double Corrugated Steel Plate Shear Walls</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
249	Harish Chand Giri Anjan Kumar M. U. Monalika Mohanty Kankan Mandal	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">Analysis for Sustainable Concrete Structure Reinforced by Embedded Parts</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
250	Sarat Kumar Mishra Sidharth Pradhan Rajaram Sahu Shakyasingha Sahoo	Stress Wave Theory, Design and Testing Method Implemented in Civil and Mechanical Engineering	<a href="#">A thorough examination of the impact of biodiesel's physical and chemical qualities on combustion parameters, engine performance, and emissions.</a>	Design-Based Performance in Civil and Mechanical Engineering	National Conference on Recent Trends in Civil and Mechanical Engineering	National	2016-17	2319-6564	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering Sciences Paradigms and Researches
251	Debendra Kumar Sahoo Prithviraj Nayakm Purnya Prava Nayak Subhendu Sahoo	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">For hypertension patients, Machine learning to promote health management through lifestyle changes</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
252	Subhrajit Sahoo Manisha Pradhan Prakash Chandra Sahu Madhusmita Mohanty	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Deep learning computer vision for robotic disassembly and servicing applications</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
253	Abhishek Mohanty Pranay Rout Romeo Jena Madhusudan Das	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Industrial control system device classification using network traffic features and neural network embeddings</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
254	Pravat Kumar Subudhi Alekhya Sahoo Manoj Mohanta Namrata Khamar	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Machine learning in Agriculture Domain: A state-of-art survey</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
255	Amiya Kumar saho Sachikanta Pati Ashis Acharya Rajesh Tripathy	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">An assessment of wind energy status, incentive mechanisms and market</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
256	Rakhi Jha Subrat Dash Ajit Kumar Panda Sulochana Nanda	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Z-source converter integrated dc electric spring for power quality improvement in dc microgrid</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
257	Sudhansu Sekhar Khuntia Prakash Kumar Behera Laxminarayan Mishra Pranay Rout Alekhya Sahoo	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Electric power bidding model for practical utility system</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
258	Subhashish Mohanty Swadesh Ranjan Jena Malaya Tripathy Smruti Ranjan Nayak	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">On new computational and numerical solutions of the modified Zakharov-Kuznetsov equation arising in electrical engineering</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
259	Shashi Bhusan Mohanty Rudra Prasad Nanda Chinmaya Ranjan Pradhan Malaya Tripathy	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Proposal of Block Bidding for Large-Scale Wind Power Energy</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
260	Sanjeev Kumar Mishra Prajnadipta Sahoo Anil Sahoo Prakash Kumar Behera	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Optimal Sizing and Allocation of Fixed Reactive Power Compensation</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
261	S. Sivasakthiselvan Swarna Manjari Samal Balagani Sampath Kumar Durga Prasanna Mohanty	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Bidding strategies for renewable energy generation with non stationary statistics</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
262	Sanjay Kumar Padhi Subrat Dash Niladri Bhusan Biswal Rashmita Panigrahi	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">biDeepFM: A multi-objective deep factorization machine for reciprocal recommendation</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
263	Prakash Dehury Arabinda Dash Abhishek Das Rashmi Ranjan Behera	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Forecast electricity demand in commercial building with machine learning models to enable demand response programs</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
264	Aruna Rout Achyutananda Panda Ajit Kumar Panda	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Strategic bidding of distributed energy resources in coupled local and central markets</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
265	Debasish Mishra Tapas Ranjan Baitharu Swaha Pattnaik Nikunja Bihari Kar	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Air-Gap Flow and Thermal Analysis of Rotating Machines using CFD</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
266	Sunil Kumar Mahapatro Snigadha Sagarika Romeo Jena Soumya Mishra	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Recent advancement in smart grid technology</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
267	Ajanta Priyadarshinee Subhendu Sahoo Pravas Behera Smruti Samantray	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Methods of finding losses and cooling methods to increase efficiency of electric machines</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
268	Priya Chandan Satpathy Chinmaya Ranjan Pradhan Smruti Samantray Swadesh Ranjan Jena	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">A novel scheduling technique for improving cell-edge performance in 4G/5G systems</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
269	Achyutananda Panda Sunita Baral Srinivas Asheerbad Pradhan	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Model of the DFIG considering coordinated control strategy of grid and rotor-side converters</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
270	Dillip Kumar Nayak Sanjay Kumar Nayak Rashmi Ranjan Behera Sudipt Mandal	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">An approach to estimate the frequency support from large-scale PV plants in a renewable integrated grid</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
271	Laxmi Biraja Nayak Asheerbad Pradhan Balagani Sampath Kumar	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Using a new hybrid methodology for optimal allocation of FACTS devices</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
272	Subhrajit Sahoo Umakanta Dash Laxmi Prajnadipta Sahoo	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">In electric vehicle technologies, the state-of-the-art of power electronics converters configurations</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
273	Pranay Rout Laxminarayan Mishra Debasish Mishra Swadesh Ranjan Jena	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Harmonic compensators and Optimal design of controllers for three-level cascaded control in stationary reference frame for grid-supporting inverters-based AC microgrid</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
274	Priya Chandan Satpathy Supriya Nayak Manoj Mohanta Alekhya Sahoo	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Load frequency control strategy using large-scale multi-agent deep reinforcement learning</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
275	Smruti Samantray Rudra Prasad Nanda Smruti Ranjan Panda Romeo Jena	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">In electric vehicle technologies, the state-of-the-art of power electronics converters configurations</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
276	Sunil Kumar Mahapatro Ajaya Kumar swain Sambhunath Biswas Subhendu Sahoo Manoj Mohanta	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">For electricity and freshwater production Thermodynamic-economic optimization of a solar-powered combined energy system with desalination</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
277	Tapas Ranjan Baitharu Romeo Jena Sudesh Kumar Patel Swaha Pattnaik	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Conversion of Sewage Sludge to combined heat and power: Modeling and optimization</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
278	Ajanta Priyadarshinee Balagani Sampath Kumar Prativa Barik Satyajit Nayak	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Flexible power-to-heat operation in district heating by redesigning electricity grid tariffs</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
279	Amiya Kumar saho Major Das Satyajit Nayak Subhendu Sahoo	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">A Bi-objective AHP-MINLP-GA approach for Flexible Alternative Supplier Selection amid the COVID-19 Pandemic</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
280	Srinivas Smruti Ranjan Panda Arabinda Dash Prasanna Kumar Chhotaray	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">A fuzzy optimization model for methane gas production from municipal solid waste</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
281	Rakhi Jha Sunil Kumar Mahapatro Sandip Kar Mazumdar Manoj Mohanta	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">A fuzzy proximity relation approach for outlier detection in the mixed dataset by using rough entropy-based weighted density method</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
282	Sachikanta Pati Debasish Mishra Malaya Tripathy Smruti Ranjan Panda	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">A hybrid heuristic approach for traffic light synchronization based on the MAXBAND</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
283	Binayini Pradhan Ajit Kumar Panda Subhendu Sahoo Pratik Mohanty	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">A modified fuzzy approach to project team selection</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
284	Biraja Nayak Prakash Dehury Prasanna Kumar Chhotaray Soumya Mishra	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">A new auditory algorithm in stock market prediction on oil and gas sector in Nigerian stock exchange</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
285	Namrata Kharnari Tapas Ranjan Baitharu Arabinda Dash Smruti Ranjan Panda	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">An analysis of Harmony Search for solving Sudoku puzzles</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
286	Major Das Srimanta Mohapatra Sanjay Kumar Padhi Subrat Dash	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">An ensemble machine learning model for the prediction of danger zones: Towards a global counter-terrorism</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
287	Ajaya Kumar swain Swarna Manjari Samal Sidhanta Kumar Balabantaray Susmita Mohapatra	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Analysis of French phonetic idiosyncrasies for accent recognition</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
288	Ashis Acharya Subhasish Mohanty Pratik Mohanty Subhendu Sahoo	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Application of Swarm Robotic System in a Dynamic Environment using Cohort Intelligence</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
289	Sidhanta Kumar Balabantaray Chinmaya Ranjan Pradhan Alekha Sahoo V. Raja	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Bus journey simulation to develop public transport predictive algorithms</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
290	Debendra Kumar Sahoo Malaya Tripathy Sudesh Kumar Patel Subhendu Sahoo	Conference on emerging trends in electrical, electronics, computer science Engineering and their practical applications	<a href="#">Decision support system for dementia patients using intuitionistic fuzzy similarity measure</a>	Proceeding of Electrical, Electronics and Data Communication	International conference on Electrical, Electronics and Computer Science Engineering	International	2019-2020	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
291	Debendra Kumar Sahoo Prithviraj Nayakm Prangya Paramita Padhi Prangya Paramita Padhi	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">For electricity and freshwater production Thermodynamic-economic optimization of a solar-powered combined energy system with desalination</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
292	Romeo Jena Pranay Rout Sagarika Patro Madhusudan Das	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Modeling and optimization for Conversion of Sewage Sludge to combined heat and power</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
293	Abhishek Mohanty Alekha Sahoo Manoj Mohanta Smruti Ranjan Nayak	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Flexible power-to-heat operation in district heating by redesigning electricity grid tariffs</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
294	Prakash Chandra Sahu Pratik Mohanty Smruti Ranjan Panda V. Raja	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Steady-state (DC) analysis of large-area and Sinusoidal small-signal (AC)solar cells</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
295	Prakash Kumar Behera Rudra Prasad Nanda Chinmaya Ranjan Pradhan Pratik Mohanty	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">With offshore photovoltaic installations the effect of wave response motion on the insolation</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
296	Amiya Kumar saho Sachikanta Pati Prithviraj Nayakm Romeo Jena	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Forecast electricity demand in commercial building with machine learning models to enable demand response programs</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
297	Ashis Acharya Prangya Paramita Padhi Laxmi Rajesh Tripathy	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">An evaluation of deep models and optimizers for Indian sign language recognition</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
298	Sanjay Kumar Padhi Rakhi Jha Prakash Kumar Behera Romeo Jena	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Teaching hands-on courses about Virtual Reality and Augmented Reality: Methods, techniques and best practice</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
299	Sachikanta Pati Priya Chandan Satpathy Soumya Mishra Laxminarayan Mishra	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">A critical review on Arti ficial intelligence application in a renewable energy-driven desalination system</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
300	Prakash Dehury Archana Mandal Sulochana Nanda Subrat Dash	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Path tracing in online courses.Experiencing GPU</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
301	Tapas Ranjan Baitharu Niladri Bhusan Biswal V. Raja Malaya Tripathy	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Virtual reality game level layout design for real environmentconstraints</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
302	Vidya Mohanty Pravat Kumar Subudhi Rashmita Panigrahi Arabinda Dash	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Guidelines for balancing depth, complexity and mentoring in aconfinement context</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
303	Sangita Pal Ashis Acharya S. Sivasakthiselvan Swadesh Ranjan Jena	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Multi-purpose AC Optimal Power Flow with reinforcement trained Artificial Neural Network</a>	The performance analysis of algorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental



3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
304	Suchismita Satpathy Rajesh Tripathy Malaya Tripathy Prajnadipta Sahoo	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">For Bayesian Neural Network Inference in wind speed forecasting with Separable Shadow Hamiltonian</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
305	Shashi Bhusan Mohanty Balagoni Sampath Kumar Manoranjan Sahoo Ajit Kumar Panda	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">An Approach for Cost-Efficient Grid Integration of Distributed Renewable Energy Sources</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
306	Pravat Kumar Rautray Nikunja Bihari Kar Subhalaxmi Nayak Anita Subudhi	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Prediction and Features selection for IoT attacks</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
307	Ambuja Kumar Parida Binayini Pradhan Santosh Kumar Sharma Purnya Prava Nayak	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Blockchain systems: Attacks, defenses, and privacy preservation</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
308	Tapas Ranjan Baitharu Manisha Pradhan Namrata Khamari Biraja Nayak	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Cloud-based framework for verifiable privacy-preserving spectrum auction</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
309	Aruna Rout Prativa Barik Debasish Mishra Supriya Nayak	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Combining Market-Based Control with Distribution Grid Constraints when Coordinating Electric Veh</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
310	Ajanta Priyadarshinee Chinmaya Ranjan Pradhan Smruti Ranjan Panda Smruti Samantray	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Smart Grid Wide-Area Transmission System Visualization</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
311	Prakash Dehury Abhishek Das Rashmi Ranjan Behera Subrat Dash	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Deep learning computer vision for robotic disassembly and servicing applications</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
312	Susmita Mohapatra Prasanna Kumar Chhotaray Biswajit Mishra Ambuja Kumar Parida	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">A Bi-objective AHP-MINLP-GA approach for Flexible Alternative Supplier Selection amid the COVID-19</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
313	Pravat Kumar Rautray Ashis Singh S. Sivasakthiselvan Smruti Ranjan Panda	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">A hybrid heuristic approach for traffic light synchronization based on theMAXBAND</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
314	Manoranjan Sahoo Biswajit Mishra Achyutananda Panda Durga Prasanna Mohanty	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Industrial control system device classification using network traffic features and neural network em</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
315	Vidya Mohanty Premananda Sahu Srimanta Mohapatra Manoranjan Sahoo	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Similarity measure for aggregated fuzzy numbers from interval-valued data</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
316	Vidya Mohanty Swaha Pattnaik Niladri Bhusan Biswal Niladri Bhusan Biswal	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Machine learning in agriculture domain: A state-of-art survey</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
317	Ipsit Joshi Swaha Pattnaik Tapas Ranjan Baitharu Shriram Agarwal	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Decision support system for dementia patients usingintuitionistic fuzzy similarity measure</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
318	Debendra Kumar Sahoo Sunita Baral Sanjay Kumar Nayak Achyutananda Panda	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Design and Testing of Building Integrated Hybrid Vertical Axis Wind Turbine</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
319	Rasmi Sarangi Prakash Dehury Shriram Agarwal Supriya Nayak	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Application of Swarm Robotic System in a DynamicEnvironment using Cohort Intelligence</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
320	Sanjay Kumar Padhi Asheerbad Pradhan Rasmi Sarangi Rakhi Jha	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Investigation on biomedical waste management of hospitals usingcohort intelligence algorithm</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
321	Laxmi Sidhanta Kumar Balabantaray Subrat Dash Srimanta Mohapatra	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Foreign exchange currency rate prediction using a GRU-LSTM hybridnetwork</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
322	Subhasish Mohanty Balagoni Sampath Kumar Laxminarayan Mishra Asheerbad Pradhan Satyajit Nayak	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Experimental Analysis and Simulation of an Impulse Voltage Generator</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
323	Sanjeev Kumar Mishra Rudra Prasad Nanda Soumya Datta Mohanty Chinmaya Ranjan Pradhan Manoranjan Sahoo	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">For Automotive Applications, a Fast Switching Current Controlled DC/DC Converter</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
324	Major Das Amiya Kumar saho Smruti Samantray Supriya Nayak	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">A modified fuzzy approach to project team selection</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
325	Laxmi Arabinda Dash Prasanna Kumar Chhotaray Sudesh Kumar Patel	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">A new auditory algorithm in stock market prediction on oil and gas sector in Nigerian stock exchange</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
326	Rasmi Sarangi Amiya Kumar saho Rakhi Jha Madhusudan Das,	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Parallel SVM model for forest fire prediction</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
327	Chinmaya Ranjan Pradhan Manoj Mohanta Soumya Mishra Ipsita Pahi	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Investigation of asymmetric power distribution in balanced three-phase systems in planar arrangem</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
328	Sudhansu Sekhar Khuntia V. Raja Smruti Ranjan Panda Achyutananda Panda	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">For Wind Farm, performance Comparison of STATCOM &amp; SVCin Reactive Power Control Strategy</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
329	Sandip Kar Mazumdar Subhendu Sahoo Prakash Chandra Sahu Pratik Mohanty	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Using Artificial Neural NetworkVoltage Sag Evaluation duringInduction Motors Starting</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental



3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
330	Prangya Paramita Padhi Madhusmita Mohanty Umakanta Dash Biraja Nayak	Conference on Practical applications of algorithms and it's implimentation on existing softwares	<a href="#">Ranking of Pareto-optimal solutions and selecting the best solution in multi- and many-objective op</a>	The performance analysis of alogorithms in software system	International Conference on Smart Navigation Equipments on Monitoring System	International	2020-2021	2278-3989	Aryan Institute of engineering and technology, BBSR	International Journal of Electrical, Electronics & Mechanical Fundamental
331	Sanjay Kumar Padhi Sachikanta Pati Prativa Barik Romeo Jena	Internet of Things and Intelligent System for the Development of Engineers	<a href="#">Robust fuzzy factorization machine with noise clustering-based membership function estimation</a>	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
332	Sangita Pal Madhusudan Das Prangya Paramita Padhi Subhendu Sahoo	Internet of Things and Intelligent System for the Development of Engineers	<a href="#">Optical solitons with Biswas–Milovic equation in magneto optic waveguide having Kudryashov's law</a>	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
333	Jui Pattanaik Ashis Acharya Rajesh Tripathy Madhusmita Mohanty	Internet of Things and Intelligent System for the Development of Engineers	An analysis of Harmony Search for solving Sudoku puzzles	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
334	Rakhi Jha Subrat Dash Laxmi Rudra Prasad Nanda	Internet of Things and Intelligent System for the Development of Engineers	Analysis of French phonetic idiosyncrasies for accent recognition	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
335	Rashmita Panigrahi Niladri Bhusan Biswal Manoj Mohanta Priya Chandan Satpathy	Internet of Things and Intelligent System for the Development of Engineers	A fuzzy optimization model for methane gas production from municipal solid waste	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
336	Sangita Pal Prakash Kumar Behera Sulochana Nanda Subhhalaxmi Nayak	Internet of Things and Intelligent System for the Development of Engineers	An ensemble machine learning model for the prediction of danger zones: Towards a global counter-	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
337	Prasanta Kumar Sahoo Anita Subudhi Binayini Pradhan V. Raja	Internet of Things and Intelligent System for the Development of Engineers	Image steganography using genetic algorithm for cover image selection and embedding	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
338	Soumya Mishra Malaya Tripathy Sushree Sangita Jena Ipsita Samal	Internet of Things and Intelligent System for the Development of Engineers	Dynamic Pythagorean fuzzy probabilistic linguistic TOPSIS method with psychological preference an	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
339	Pravat Kumar Subudhi S. Sivasakthiselvan Abhishek Das Anita Subudhi	Internet of Things and Intelligent System for the Development of Engineers	Epileptic seizure identification in EEG signals using DWT, ANN and sequential window algorithm	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
340	Bhagaban Sri Ramakrishna Purnya Prava Nayak Manisha Pradhan Swaha Pattnaik	Internet of Things and Intelligent System for the Development of Engineers	A fuzzy proximity relation approach for outlier detection in the mixed dataset by using rough entrop	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
341	Namrata Khamari Tapas Ranjan Baitharu Biraja Nayak Susmita Mohapatra	Internet of Things and Intelligent System for the Development of Engineers	Bus journey simulation to develop public transport predictive algorithms	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
342	Soumya Mishra Malaya Tripathy Bhagaban Sri Ramakrishna Namrata Khamari	Internet of Things and Intelligent System for the Development of Engineers	The energy of a photon, on the geometrical perspective	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
343	Sangita Pal Biraja Nayak S. Sivasakthiselvan Abhishek Das	Internet of Things and Intelligent System for the Development of Engineers	Designing and manufacturing of interference notch filter with a single reflection band	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
344	Rudra Prasad Nanda Manoranjan Sahoo Swaha Pattnaik Sambhunath Biswas	Internet of Things and Intelligent System for the Development of Engineers	Photoinduced charge transfer in two-photon absorption	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
345	Sushree Sangita Jena Susmita Mohapatra Smruti Samantray Supriya Nayak	Internet of Things and Intelligent System for the Development of Engineers	Dynamic control over group speed of light in plasma cladded optical fiber: An analytical approach	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
346	Asheerbad Pradhan Smruti Samantray Priya Chandan Satpathy Supriya Nayak	Internet of Things and Intelligent System for the Development of Engineers	Realization and optimization of optical logic gates using bias assisted carrierinjected triple parallel m	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
347	Madhusudan Das Ipsita Samal Prangya Paramita Padhi Prasanna Kumar Chhotaray	Internet of Things and Intelligent System for the Development of Engineers	Compact and efficient polarization splitter based on dual core microstructured fiber for THz photon	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
348	Madhulita Mohapatra Ashis Singh Premananda Sahu Srimanta Mohapatra	Internet of Things and Intelligent System for the Development of Engineers	Fiber-coupling optical system for high-power and multi-wavelength diode laser bars oriented to inte	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
349	Ajaya Kumar swain Prativa Barik Romeo Jena Pranay Rout	Internet of Things and Intelligent System for the Development of Engineers	Identifying and Locating Connection Fault of Layer Winding Turn in Distribution Transformer	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
350	Srinivas Alekhya Sahoo Subhrajit Sahoo Subhendu Sahoo	Internet of Things and Intelligent System for the Development of Engineers	Optimal Design of Bearingless Permanent Magnet-Type Synchronous Motors for Generating Maxim	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
351	Smruti Ranjan Panda Prakash Chandra Sahu Manoj Mohanta Pranay Rout	Internet of Things and Intelligent System for the Development of Engineers	Current Measurement with Optical Current Transformer	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
352	Smruti Ranjan Nayak Pratik Mohanty Nabnit Panigrahi Alekhya Sahoo	Internet of Things and Intelligent System for the Development of Engineers	Reliability Constrained Energy and Reserve Scheduling of Microgrids Including High Penetration of R	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
353	Prakash Chandra Sahu Pratik Mohanty Smruti Ranjan Nayak Swadesh Ranjan Jena	Internet of Things and Intelligent System for the Development of Engineers	Line Start Permanent Magnet Synchronous Motor Performance and Design; a Review	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
354	Chinmaya Ranjan Pradhan Subhendu Sekhar Sahoo Sunita Baral Sanjay Kumar Nayak	Internet of Things and Intelligent System for the Development of Engineers	Optimum Economic Scheduling Strategy of Islanded Multi-Microgrid	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
355	Somnath Mishra Satyajit Nayak Balagoni Sampath Kumar Soumya Datta Mohanty	Internet of Things and Intelligent System for the Development of Engineers	Performance Evaluation of DFIG to Changes in Network Frequency	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)

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
356	Swarna Manjari Samal Chinmaya Ranjan Pradhan Sandip Kar Mazumdar Achyutananda Panda	Internet of Things and Intelligent System for the Development of Engineers	Optimization of renewable energy for buildings with energy storages and 15-minute power balance	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
357	Prajnadipta Sahoo Pratik Mohanty Alekhya Sahoo Ajit Kumar Panda	Internet of Things and Intelligent System for the Development of Engineers	Multistep electric vehicle charging station occupancy prediction using hybrid LSTM neural networks	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
358	Debasish Mishra Subhendu Sahoo Rajib Lochan Barik Anil Sahoo	Internet of Things and Intelligent System for the Development of Engineers	MPPT Based on Adaptive Neuro-Fuzzy Inference System (ANFIS) for a Photovoltaic System Under Un	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
359	Sunil Kumar Mahapatro Anil Sahoo Subhendu Sahoo Rajib Lochan Barik	Internet of Things and Intelligent System for the Development of Engineers	Detailed Dynamic Modeling, Control, and Analysis of a Gridconnected Variable Speed SCIG Wind En	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
360	J. Uday Bhaskar Ajanta Priyadarshinee Srichandan Subhrajit Sahoo Pinaki Prasanna	Internet of Things and Intelligent System for the Development of Engineers	Adaptive Balancing by Reactive Compensators of Three-Phase Linear Loads Supplied by Nonsinusoid	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
361	Sunita Baral Mahendra Kumar Sahoo Dillip Kumar Nayak Chinmaya Ranjan Pradhan	Internet of Things and Intelligent System for the Development of Engineers	An Advanced Fuzzy Logic Based Method for Power Transformers Assessment	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
362	Sanam Devi Manoj Mohanta Smruti Ranjan Panda Subhendu Sahoo	Internet of Things and Intelligent System for the Development of Engineers	Modelling and Simulation of Intelligent Master Controller Model for Hybridized Power Pool Deploy	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
363	Prativa Barik Romeo Jena Balagoni Sampath Kumar Ajaya Kumar Swain	Internet of Things and Intelligent System for the Development of Engineers	Calculation of Losses in Transmission System in Dependence on Temperature and Transmitted Powe	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
364	Himanshu Sekhar Moharana Prativa Barik Achyutananda Panda Laxminarayan Mishra	Internet of Things and Intelligent System for the Development of Engineers	Fast Parallel FDFD Algorithm for Solving Electromagnetic Scattering Problems	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
365	J. Uday Bhaskar Sunil Kumar Tripathy Rajib Lochan Barik Anil Sahoo	Internet of Things and Intelligent System for the Development of Engineers	About Calculation the Resistance of Two-dimensional Infinite Grid Systems	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
366	Aravinda Mahapatra Subhendu Sahoo Alekhya Sahoo Alekhya Sahoo	Internet of Things and Intelligent System for the Development of Engineers	Design and Implementation of an Automated Lighting System	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
367	Ipsit Joshi Madhusmita Mohanty Ankita Panda Ashok Muduli	Internet of Things and Intelligent System for the Development of Engineers	Polarization conversion in a polariton three-waveguide coupler	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
368	Amit Kumar Jha Ashis Acharya S. Sivasakthiselvan Maheshwari Rashmita Nath	Internet of Things and Intelligent System for the Development of Engineers	Intensification of noise tolerance against Rayleigh backscattering for bidirectional 10 Gbps WDM-FS	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
369	Bhagaban Sri Ramakrishna Abhishek Das Manoranjan Sahoo Srimanta Mohapatra	Internet of Things and Intelligent System for the Development of Engineers	Tapered multicore optical fiber probe for optogenetics	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
370	Sudhansu Sekhar Khuntia Major Das Swaha Pattnaik Smruti Samantray	Internet of Things and Intelligent System for the Development of Engineers	A proposal of depth of focus equation for an optical system combined a digital image sensor	Data Reduction Approach Using Fog Computing in IOT	International Conference on Recent Trends in IOT and Its Application	International	2018-2019	2347-601X	Aryan Institute of engineering and technology, BBSR	International Journal of Engineering, Management, Humanities & Social Sciences Paradigms
371	Bhagaban Sri Ramakrishna Supriya Nayak Asheerbad Pradhan Smruti Samantray	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	A Triple-Band Microstrip Antenna with a Monopole Impedance Converter for WLAN and 5G Applications	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
372	Pravat Kumar Subudhi Madhusudan Das Prangya Paramita Padhi Subhendu Sahoo	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Development of a 100 mW-Class 94 GHz High-Efficiency Single-Series Rectifier Feed by Finline for Micro-UAV Application	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
373	Chinmaya Ranjan Pradhan Smruti Ranjan Panda Sangita Pal Manoj Mohanta	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Improved TLBO for Fusion of Infrared and Visible Images	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
374	Swadesh Ranjan Jena Rudra Prasad Nanda Laxminarayan Mishra Chinmaya Ranjan Pradhan	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	A Novel Passive Circuit Emulator for a Current-Controlled Memristor	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
375	Prakash Kumar Behera Sulochana Nanda Bhagaban Sri Ramakrishna Rashmi Ranjan Behera	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Indistinguishable sub-nanosecond pulse generator	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
376	Madhulita Mohapatra Laxminarayan Mishra Prithviraj Nayakmr Pranay Rout	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Surface enhanced infrared absorption spectroscopy using plasmonic nanostructures: Alternative ultrasensitive on-chip	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
377	Prakash Chandra Sahu Srikanta Pradhan Satyajit Nayak Subhendu Sahoo	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Miniaturized lenses integrated on optical fibers: Towards a new milestone along the lab-on-fiber technology roadmap	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
378	Soumya Datta Mohanty Satyajit Nayak S. Sivasakthiselvan Ankita Panda	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Surface tension coefficient of liquid sensor based on FBG	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
379	Sudhansu Sekhar Khuntia Abhishek Das Manoranjan Sahoo Prajnadipta Sahoo	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Interferometric Fabry-Perot sensors for ultrasound detection on the tip of an optical fiber	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
380	Madhusudan Das Somnath Mishra Prangya Paramita Padhi Supriya Nayak	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Advances in fiber optic sensors for soil moisture monitoring: A review	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
381	Rudra Prasad Nanda Smruti Ranjan Panda Swaha Pattnaik Manoranjan Sahoo	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	High-resolution demodulation of interference envelope peak at arbitrary positions by warped discrete Fourier transform	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies

**3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years (10)**

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
382	Durga Prasanna Mohanty Aruna Rout Snigadha Sagarika Prasanta Kumar Sahoo	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	GravCPA: Controller Placement Algorithm Based on Traffic Gravitation in SDN	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
383	Debendra Kumar Sahoo Pravas Behera Manoj Mohanta Kamal Samal	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Multirobot Adaptive Task Allocation of Intelligent Warehouse Based on Evolutionary Strategy	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
384	Subhasish Mohanty Sudipt Mandal Bikash Ranjan Dash Srikanta Pradhan	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Multirobot Adaptive Task Allocation of Intelligent Warehouse Based on Evolutionary Strategy	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
385	Swarna Manjari Samal Binayini Pradhan Chinmaya Ranjan Pradhan Satyajit Nayak	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	An Efficient Method for Diagnosing Brain Tumors Based on MRI Images Using Deep Convolutional Neural Networks	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
386	Soumya Mohanty Mahendra Kumar Sahoo Sunita Baral Ajit Kumar Panda	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	An Efficient Method for Diagnosing Brain Tumors Based on MRI Images Using Deep Convolutional Neural Networks	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
387	Debasish Mishra Pinaki Prasanna Laxminarayan Mishra Prajnadipta Sahoo	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Optimal Wireless Information and Power Transfer Using Deep Q-Network	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
388	Sunil Kumar Mahapatro Prativa Barik, Department Srichandan Subhrajit Sahoo J. Uday Bhaskar	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Fuzzy-Swarm Intelligence-Based Short-Term Load Forecasting Model as a Solution to Power Quality Issues Existing in Microgrid System	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
389	Ajanta Priyadarshinee Rajib Lochan Barik Subhendu Sahoo Anil Sahoo	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Optimization of a Two-Layer 3D Coil Structure with Uniform Magnetic Field	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
390	Dillip Kumar Nayak Subhendu Sahoo Alekhya Sahoo Pratik Mohanty	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Distributed Finite-Time Consensus Control of Second-Order Multiagent Systems Subject to Communication Time Delay	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
391	Sanam Devi Achyutananda Panda Sandip Kar Mazumdar Prajnadipta Sahoo	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Combined Economic Emission Dispatch of Microgrid with the Incorporation of Renewable Energy Sources Using Improved Mayfly Optimization Algorithm	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
392	Achyutananda Panda Sandip Kar Mazumdar Himanshu Sekhar Moharana Achyutananda Panda	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Analysis of Artificial Neural Network: Architecture, Types, and Forecasting Applications	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
393	Sunil Kumar Tripathy Soumya Datta Mohanty Chinmaya Ranjan Pradhan Satyajit Nayak	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Intelligent Power Grid Video Surveillance Technology Based on Efficient Compression Algorithm Using Robust Particle Swarm Optimization	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
394	Balagani Sampath Kumar Sanjay Kumar Nayak Sunita Baral Aravinda Mahapatra	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Absorption Performance of Doped TiO <sub>2</sub> -Based Perovskite Solar Cell using FDTD Simulation	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
395	Chinmaya Ranjan Pradhan Ajaya Kumar swain Ipsita Samal Subhrajit Sahoo	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Inhomogeneous Winding for Loosely Coupled Transformers to Reduce Magnetic Loss	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
396	Pranay Rout Madhulita Mohapatra Alekhya Sahoo Pratik Mohanty	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Energy Auditing in Three-Phase Brushless DC Motor Drive Output for Electrical Vehicle Communication Using Machine Learning Technique	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
397	Nabnit Panigrahi Anil Sahoo Shashi Bhusan Mohanty Smruti Ranjan Nayak	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Fault Diagnosis Method of Distribution Equipment Based on Hybrid Model of Robot and Deep Learning	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
398	Santosh Kumar Sharma Purnya Prava Nayak Manisha Pradhan Jui Pattanaik	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Construction of a Big Data Platform for Economic Management Using Artificial Intelligence Algorithms Monitoring and Early Warning	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
399	Laxmi Biraja Nayak Namrata Khamari Susmita Mohapatra	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	For Consortium Blockchain, a Novel Semifragile Consensus Algorithm Based on Credit Space	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
400	Sanjay Kumar Padhi Prasanna Kumar Chhotaray Ashis Singh Premananda Sahu	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Topology-Aware Strategy for MPI-IO Operations in Clusters	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
401	Amiya Kumar sahu Shriram Agarwal Ipsit Joshi Srimanta Mohapatra	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	IoT Location Privacy Protection Addresses in Wireless Sensor Networks Anonymity	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
402	Rasmi Sarangi Ashok Muduli Sushree Sangita Jena Prakash Dehury	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Real-Time Information Exchange Strategy for Large Data Volumes Based on IoT	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
403	Vidya Mohanty Ashis Acharya Rakhi Jha Sidhanta Kumar Balabantaray	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Establishing Humanitarian Support Centers in Large Regions at Risk in Mexico Using an Extended GRASP-Capacitated K-Means Clustering Algorithm	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
404	Subrat Dash Srimanta Mohapatra Major Das Pravat Kumar Rautray	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	A K-Means and Ant Colony Optimization-Based Routing in Underwater Sensor Networks	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
405	Kisan Prayag Patro Arabinda Dash Prasanna Kumar Chhotaray Sudesh Kumar Patel	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Application of Optimized Convolution Neural Network Model in Mural Segmentation	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
406	Rasmi Sarangi Rakhi Jha Umakanta Dash Tapas Ranjan Baitharu	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	Speech as a Biomarker for COVID-19 Detection Using Machine Learning	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies
407	Biraja Nayak Rudra Prasad Nanda Sachikanta Pati Rajesh Tripathy	Application of Artificial Intelligence, Machine Learning and Big Data Engineering Using Morden Technology	E-LPDAE: An Edge-Assisted Lightweight Power Data Aggregation and Encryption Scheme	Emerging Trends of Advance Software on Artificial Intelligence and Machine Learning	National Conference on Recent Development and Advancement in computer Science, Electrical and Electronics Engineering	National	2017-2018	2231-5268	Aryan Institute of engineering and technology, BBSR	International Journal of Computer Science & Management Studies