NATIONAL CONFERENCE ON RECENT INNOVATIONS IN SCIENCE & ENGINEERING (RISE – 2021)

ISBN: 978-93-91535-00-1

Organised by: Sambhram Institute of Technology (SaIT)

(Affiliated to Visvesvaraya Technological University, Recognized by Government of Karnataka, Approved by AICTE) M.S.Palya, Bangalore

Date of Conference: 20 November 2021 INDEX

S. No.	Paper ID	Paper Title	Author	Page No.
1	S707	Entrepreneurial Intentions among Students: The Impact of Entrepreneurship Education and Previous Entrepreneurial Experience	Dr. Shaik Karim, Dr. K. Balaji	01-08
2	S712	Analysis and Comparative Study of Reinforced Concrete Frame using Steel Brace and Buckling Restrained Brace	Jashwanth S, Varuna Koti,	09-17
3	S713	Performance of Multistorey Building Having Flat Slab Along With Core Wall And Shear Wall Using Pushover Analysis	Shreyas. B. S, Varuna Koti,	18-28
4	S714	Study Of Different solar Energy Strategies And Solar Energy Scenario In India	Renu Malhan, Dr. Anil Dudy	29-35
5	S717	Experimental study of A2 tool steel by Taguchi's methodology with zinc- coated brass wire on WEDM	Vikash Jangra, Jagdip Chauhan, Dr. Sandeep Jindal	36-45
6	S718	Contemporary Model To Predict Clinical Emergency Treatment Categorization in Covid-19 Positive using Cough Audio Signal and Multi class SVM	Jyothi N.M.,V. Murali Mohan , S. Madhusudanan	46-58
7	S720	Assembly sequence planning using non-traditional Optimization methods (soft computingapproaches)	Shudhanshu Kumar	59-71

	1			
8	S719	MEDICO-SUPPLY CHAIN PORTAL FOR HEALTHCARE SECTOR	Muskan Goenka, Shalaka Rane, Siddhi Birla, Khushali Deulkar	72-82
9	S725	Green IoT : A Literature Review	Multan Singh Bhati, Dr. Jayshree Jain	83-86
10	S727	Review on Design And Manufacturing of Wheat Cutting Machine	Mr. A. A. Mohite, Mr. S. S. Jadhav, Mr. A. P. Sutar, Mr. N. G. Todkar, Mr. S. S. Patil, Mr. S. D. Tapase, Mr. F. S .Bargir	87-94
11	S737	A case study on Smart City Mission's approach in housing needs of slum dwellers: An analysis of Coimbatore, Indore and Varanasi, India.	Prof. Yogita Nagpure, Dr. Mahendra Joshi	95-122
12	S721	Comparative Study of Construction Sequence Analysis with Conventional Lumped Analysis	Manjendra H B, Vidyashree D	123-133
13	S732	Employee Morale as a Productivity Enhancing Tool in the IT Industry	Sowmya C U	134-141
14	S736	Awareness of Pregnant Women on Breastfeeding	V. Jhansirani, Dr. D. Sarada	142-147
15	S740	Shock Reactions in Digital Economy	Adirek Vajrapatkul, Athakrit Thepmongkol	148-160
16	S741	Study Of Analysis of Wire Cut Discharge Parameters and Machining In CBN & PCD Blanks	Sumesh Kumar, Rajender Singh	161-180
17	S742	Library Management Bot Using AI	Shashi Kumar R, Rakesh Kumar MK, Namitha K Raj, Thamini V, Prof. S. Sowndeswari	181-185
18	S743	IR Underwater Wireless Communication	Chaya V, Rajini V, Bhavana B.V, Sahana H.K	186-191
19	S744	A Review Paper on Smart Helmet	Leons G, Alsten Geo Anand, Sandesh RH, Anil Kumar Yadav, Dr.Sapna.K	192-195
20	S745	A Comprehensive review on Glaucoma detection using deep learning	Swati G Shanbhag, Monika D, Mallamma, Poojashree K, Manjula G Hegde	196-201
21	S746	A Survey On Smart City for Future : Design of Data Acquisition Method using Threshold Concept Technique	SuprithaH , Sneha M G , Pallavi B A , Sudha J	202-208

	_	1	
S747	Design of IOT Based Surveillance Military Robot	Soujanya Kalal, Sukanya Kalal, Kaveri P Hattikatagi, Varsha V, Khamer Unnisa	209-213
S748	Brain Controlled Robot Car Using Brain Wave	Vinod Kumar.S, Yashwanth.S, Rajat Vernekar, Khamer Unnisa H	214-221
S751	A Novel Gesture Recognition Methodology Applied In Autonomic Robots Using KINECT	Raghavendra H, Leelavathi K, Vedashree R, Deepika S R, Nithya K	222-227
S752	Process Of Ascertaining The Milk Adulterants Using Electronic Sensors	Ramya P, Sahana M, Pooja K S, Rakshitha N, Shilpa Chippalakatti'	228-233
S753	Employee Engagement Practices During Covid19: Worldwide Concepts to Indian Realities in terms of Industrial Employers of Rajasthan	Khusboo Yadav, Shubham Yadav	234-246
S754	IoT based Healthcare Monitoring System	Milind Mishra, Shubham Kumar, Mritunjay Sharma,paveen Kumar M.B, Dr. Shreesha Kalkoor M	247-252
S755	Errand Rider BOT	Madhushree R,Tanya R, Sandeep S,Hemanth.K Gowda , S Sowndeswari	253-258
S756	A Survey On Solar Power Vehicle	BhavyashreeR , Blessica Saradona R, Divyashree J A, Shilpa Chippalakatti	259-266
S757	Paraffin Level Detector In Edible Oil Using IOT	Shashanth Gowda HC, Yogananda MN, Arpitha HS, Vijay Kumar S, Dr.Shreesha Kalkoor M	267-270
S758	AGRIBOT: Arduino Controled Multi- Purpose Farm Machinery Robot For Small To Medium Scale Cultivation	Indushree. S, Manish Kumar, Prashant Kumar, Sharath R Puthran, Abhishek.D.G	271-277
S759	Role of Regulatory Focus In Customer Engagement	Renjini D	278-282
S760	Automobile Black Box	Numan shariff R ,Anandhan VS , Manoj MR , Dr. Sapna	283-286
S750	Data Security Techniques on Cloud	Shilpa. Chippalakatti, C.H. RenuMadhavi	287-293
	\$748 \$751 \$752 \$753 \$754 \$755 \$756 \$757 \$758 \$759 \$760	S748 Brain Controlled Robot Car Using Brain Wave A Novel Gesture Recognition Methodology Applied In Autonomic Robots Using KINECT Process Of Ascertaining The Milk Adulterants Using Electronic Sensors Employee Engagement Practices During Covid19: Worldwide Concepts to Indian Realities in terms of Industrial Employers of Rajasthan S754 IoT based Healthcare Monitoring System S755 Errand Rider BOT S756 A Survey On Solar Power Vehicle S757 Paraffin Level Detector In Edible Oil Using IOT AGRIBOT: Arduino Controled Multi-Purpose Farm Machinery Robot For Small To Medium Scale Cultivation S759 Role of Regulatory Focus In Customer Engagement S760 Automobile Black Box	S747 Design of 10T based Surveillance Military Robot S748 Brain Controlled Robot Car Using Brain Wave S751 A Novel Gesture Recognition Methodology Applied In Autonomic Robots Using KINECT S752 Process Of Ascertaining The Milk Adulterants Using Electronic Sensors S753 Employee Engagement Practices During Covid19: Worldwide Concepts to Indian Realities in terms of Industrial Employers of Rajasthan S754 IoT based Healthcare Monitoring System S755 Errand Rider BOT S756 A Survey On Solar Power Vehicle S757 Paraffin Level Detector In Edible Oil Using IOT S758 AGRIBOT: Arduino Controled Multi-Purpose Farm Machinery Robot For Small To Medium Scale Cultivation S750 Role of Regulatory Focus In Customer Engagement S750 Date Sequent: Techniques on Cloud S750 Spido Automobile Black Box S750 Spido Automobile Maltippalakatti, Shilpa. Chippalakatti, Shilpa. Chippalakatti, Shilpa. Chippalakatti,

				•
35	S763	CFD SIMULATIONS AND OPTIMIZATION OF BOX VAN AERODYNAMICS:IMPACT OF COMPUTATIONAL PARAMETERS	Mrs. Sudha Suresh Paithane, Dr. R.D.Shelke, Prof. N.S.Kalyankar	294-306
36	S761	Theoretical Studies of Graphene, Superconductors And Metals As Conductors For Metamaterials And Plasmonic Systems	Arun Kumar	307-313
37	S762	Theoretical Study of Spin-orbit Coupling in Polarized Fermionic Condensate	Manish Kumar Arya	314-319
38	S764	A STUDY ON COMPETITIVE DYNAMICS (With Special Reference to FMCG industry in South India)	Vasudeva Talari, Dr. Margani Somasekhara, Dr. BR Megharaj	320-336
39	S766	Study of Internet of Things (IoT) and its Characteristics	Dr.Tahir Ahmad Shiekh, Dr.Sheeraz Ahmad Peerzada	337-342
40	S767	STUDY ON THE TRANSFORMATION OF LIGHT POWER ORGANIC CELL	Gunjan, Dr. Om Prakash Chaudhary	343-343
41	S768	SCIENTIFIC MODEL OF SOLAR WARMTH AND WIND POWER PLANT	Suriti , Dr. Om Prakash Chaudhary	344-344
42	S769	MATHEMATICAL MODEL OF VARIOUS SOLAR COOKERS WITH PCM AS THERMAL ENERGY STORAGE	Bhagwati , Dr. Ritesh Yadav	345-345
43	S770	STUDY ON MATHEMATICAL BAYESIAN THEORY OF RELIABILITY	Neelam, Dr. Anjana Rajoria	346-346
44	S771	OVERVIEW ON INTRUSION DETECTION SYSTEM USING HYBRID CRYPTOGRAPHY	Prolay Ghosh, Dr. Nisarg Gandhewar	347-357
45	S772	REVIEW ON SECRET SHARING SCHEMES USING VISUAL CRYPTOGRAPHIC APPROACH	Debashis Sanki, Dr. Nisarg Gandhewar	358-361
46	S773	STUDY ON APPLICATIONS OF SOFT CONTINUOUS FUNCTIONS	Uttam Barman, Dr. Arihant Jain	362-366
47	S774	ROLE OF BEE POLLINATION WITH SPECIAL REFERENCE TO STINGLESS BEES, CARPENTER BEES AND SOLITARY BEES	Baishali Saha, Dr. Meenakshi Solanki	367-369

48	S775	Solution of combined heat and power dispatch using artificial hummingbird optimization algorithm	Sajal Debbarma, Shivaji Debbarma, Dalia Debbarma, Jeetu Debbarma	370-381
49	S776	EXPLAIN OF DIGITAL LIBRARY IN INFORMATION TECHNOLOGY AND OPPORTUNITY GROWTH IN DIGITAL LIBRARIES	Khushbu Bhatnagar, Dr. Avneesh Kumar Singh	382-387
50	777	SYNTHETIC APPROACHES TOWARDS OPTHALMIC PROSTAGLADINS	Naveen Reddy Seelam	388-391
51	778	BIOLOGICAL EVALUATION OF ANACARDIC ACID AND ITS DERIVATIVES	Pasupuleti Rajesh	392-395
52	779	Leveraging Technology to Enhance Learner Engagement	Mr. Manoj Chaudhary	396-402
53	780	Nanoparticle synthesis and characterisation of Strontium titanate (SrTiO3)	T. SIVAPRIYA	403-414
54	781	SOLAR WATER HEATING EFFICIENCY ENHANCEMENT THROUGH LATENT HEAT STORAGE: AN EXPERIMENTAL STUDY	Pande Ashish Madhukar Rao	415-415
55	13	The Impact of Wife Role on Car Buying Behavior on Marketing Campaigns	Dr. Akhilesh Upadhyay	416-425
56	14	A Corporate Social Responsibility (CSR) Three-Tier System Approach (including community stakeholder involvement to increase transparency and ownership)	Dr. Nitesh Kumar Sexena	426-432
57	17	E-COMMERCE AND ONLINE SHOPPING'S RECENT TREND IN INDIA	Hina Sami	433-438
58	18	ANNUAL GROWTH COMPOUNDED IN INDIA'S FOREIGN TRADE	Dr. Ishtaiyaq Khan	439-443
59	22	An Examination of Consumer Perceptions of Organized Retail in the Framework of E-Commerce	Dr. Ishtaiyaq Khan	444-453

60	28	An examination using systemic regression to examine the fluctuations in the net state domestic product growth rate in Indian states between 2014 and 2015	Dr. Nitesh Kumar Sexena	454-463
61	33	An Investigation of Purmandal Clay's Mineralogical and Physical Characteristics Using an Electron Microscope	Dr. Mohit Johari	464-471
62	36	Seismic Evaluation of Traditional, Level, and Grid Slab Reinforced Concrete Structures	Er. Harinath Singh	472-482
63	43	The obstacles that female members of self-help groups in Karnataka face	Dr. A K S Chauhan	483-489
64	45	Study on Forecasting Domestic Passenger Vehicle Retail Sales Using Time Delay Neural Networks in India During Pandemic	Hina Sami	490-500
65	48	An Empirical Analysis of Self- Sensing Concrete	Er. Harinath Singh	501-511
66	52	Strategies, Methods, and Commercialization in Agriculture with Particular Reference to Developing Nations Like India	Dr. Geeta Jadon	512-519
67	66	Sustainable Problems with Human Resource Administration	Dr.Gaurav Kumar Gupta	520-526
68	78	An investigation on the quality of work life for employees in the hospitality sector	Dr. Akhilesh Upadhyay	527-535
69	91	Employee opinions on strategic HR methods used by Indian companies to achieve extraordinary productivity	Dr. Nitesh Kumar Sexena	536-547
70	102	Software for data analysis of satellite navigation systems worldwide	Dr. Vishnu Singh Rathore	548-553
71	171	STRUCTURAL ELUCIDATION AND THERMAL STUDIES OF SOME NOVEL MIXED LIGAND COMPLEXES SCHIFF BASE METAL	Dr. Vishnu Singh Rathore	554-558

72	214	Pictures of border consciousness and intertribal conflict Mamang Dai's Writings' Symbolism:	Dr. Anurag Agrawal	559-563
		Especially Regarding The Black Hill		
73	216	Ntozake Shange's choreopoems addressing the constructs of gender	Dr. Roop Katha Ghosh	564-572
74	247	An analysis of the absurdity in plays by Satish Alekar, Harold Pinter, and Samuel Beckett	Mrs. Sweety Yadav	573-579
75	304	Soldiers' GPS-enabled E-Battledress Powered by IoT and Solar for Tracking	Er. Shyamu	580-582
76	305	Brain Storm Optimization-Optimized Clustering Algorithm for Digital Image Segmentation	Er. Rupendra	583-589
77	312	linguistic evaluation of a mathematical model for consensus in group decision-making utilizing triangular intuitionistic fuzzy numbers	Dr. Akhilesh Kumar Yadav	590-596
78	313	PV system maximum power point tracking in partially shadowed settings using a flower pollination algorithm	Er. Veerpal Singh	597-605
79	325	An analysis of poverty, growth, and globalization	Prashant Yadav	606-608
80	329	Health and safety monitoring system for children	Er. Rupendra	609-614
81	331	Specifications and Vibration Features Examination of the drone's body structure	Er. Shivam Gupta	615-623
82	356	Intelligent Traffic Control System	Er. Jitendra Kumar	624-627
83	366	Developing and Putting into Practice a Cloud-based Single-channel	Er. Shyamu	628-632
84	394	The Effect of Anxiety on Teacher Candidates' Emotional Development	Anita Gupta	633-637
85	397	A NEW DUTY FOR TEACHER EDUCATORS	Sachin Yadav	638-640
86	404	A NEW MODE OF TEACHING IN THE GOVERNMENT SCHOOLS OF THE FATEHABAD DISTRICT OF HARYANA: JAGRUK VIDYARTHI	Shalini Shrivastav	641-645

87	408	The enhancement of teachers' and educators' professional development	Sachin Yadav	646-653
88	409	Collaboration between teachers in schools: Diverse learning possibilities in several situations	Pushapendra Yadav	654-659
89	415	THE CURRENT SCENARIO'S TEACHER EDUCATION PROBLEMS AND CONCERNS	Suman Yadav	660-664
90	426	Online education: The way of the future for teacher preparation	Robin Singh Yadav	665-667
91	428	A Review of the Literature on the Difficulties Adult Learners Face in Online Distance Education	Poonam Yadav	668-675
92	429	The importance of ethics in school and how it affects kids' entire development	Dr. Vibha Chauhan	676-683
93	432	An Examination of Faculty Members' Stress and Burnout Levels	Dr. Nilam Kaithal	684-691
94	446	Facilitated Professional Development of Teachers Through Online Resources in the Changing Education Landscape	Poonam Yadav	692-695
95	454	EQUAL PERSONALITY: Strategies for Enhancing EQ in the Learning Environment	Ms. Pravita Chauhan	696-702
96	514	Opportunities for smallholder dairy farmers to adapt in the face of resource scarcity include integrated land, water, and animal management	Dr. Geeta Jadon	703-711
97	517	CHANGEABLE PERFORMANCE DRIVE	Er. Shiv Kumar	712-720
98	518	Counterterrorism Approaches and Difficulties in India's Cross-Border Terrorism Situation	Er Manoj Kumar	721-730
99	550	Review on the Development of Fundamental Ideas, Current Trends, and Restrictions for iomaterials in Total Hip Joint Replacements	Mr. Umesh Chandra	731-736

100	554	The Sounds of Language: Phonology	Mr. Hammir Singh	737-746
101	560	Contextualized Cruelties: An Artaudian Analysis of Sam Shepard's The Starving Class Curse	Dr. A K S Chauhan	747-753
102	563	For every Muslim, acquiring knowledge from the Quran is mandatory.	Dr. Rajesh Babu	754-758
103	565	A Critical Analysis of 21st-Century Vocationalization and Educational Quality	Dr. Devbrat Yadav	759-763
104	567	STRESS MANAGEMENT AND COUNSELLING IN GUWAHATI: INTERVIEWS WITH WOMEN COUNSELORS IN GUWAHATI CITY	Dr. Devbrat Yadav	764-771
105	570	Middle and high school students' epistemic beliefs in a problem- based, scientific inquiry unit: an exploratory study using mixed methods	Mr. Satyendra Singh	772-777
106	579	In rural Jammu and Kashmir, mobile phones hold both promise and danger for young people	Dr. Shailendra Singh	778-782
107	617	An extensive analysis of how gender affects the prevention of tuberculosis	Dr Bharti Yadav	783-790
108	676	Maxine's Search for Herself Among Ghosts: Memoirs of a Girlhood by Hong Kingston	Dr. Shilendra Pal Singh Yadav	791-794
109	732	Medical Science Data Mining Tools and Techniques	Er. Jitendra Kumar	795-806
110	738	Magnesium-Retrievable Supported Ionic Liquid Phase Photocatalyst- Assisted Photodegradation of Methyl Orange	Er. Ram Manohar Singh Yadav	807-815
111	802	A STUDY OF THE METHODS, TECHNIQUES, AND APPLICATIONS OF MACHINE LEARNING	Er. Jitendra Kumar	816-826
112	804	An Improved Hierarchical Model with Frequency, Monetary, and Demographic Values for Customer Segmentation in Customer Relationship Management	Er. Vikash Kumar Shakya	827-838

113	807	Utilizing Machine Learning Methods to Forecast Diabetes Mellitus	Abhinav Gupta	839-845
114	816	Improving Analysis of Consumer Behavior using Data Mining Methods	Er. Omveer Singh	846-853
115	827	Applications of Blockchain in Banking Systems	Er. Sadaf Nazli	854-859
116	860	The effect of procrastination on secondary school students' academic performance	Ms. Pravita Chauhan	860-867
117	876	The Role Of Canine Blood Groups In Veterinary Transfusion Medicine	Dr. Mamta Kumari	868-871
118	885	The effect of prolonged sound stress on the adrenal gland histological structure in broilers	Dr. Tarun Yadav	872-874
119	886	assessment of a root extract's total phenolic and flavonoid content, antibacterial activity, and antioxidant capacity	Smt. Neetu Yadav	875-882
120	899	Doppler imaging directed, and perineural ultrasound guided blockage of the brachial plexus in sheep	Dr. Anju Singh	883-888
121	956	SIKKIM'S LEPCHA WOMEN'S STATUS	Dr. Vashudha Kulshretha	889-891
122	1039	Libraries' and librarians' roles in the modern and future	Archana	892-896