

Swami Keshvanand Institute of Technology, Management &
Gramothan, Jaipur
Department of Mechanical Engineering

Title of Event: ICONRER-2019: 2nd International Conference on New and Renewable Energy Resources for Sustainable Future (Nov 07-09, 2019)

Objectives:

- To be familiar with the latest developments taking place in the world in the areas of Green technologies, Alternative fuels, Non conventional energy, Nano technology and Environmental pollution control.
- To deliberate on the above areas and focus on issues related to these areas which can be implemented in the academic field and industries.
- To provide a global platform for interaction of experts, academicians and working professionals.
- To provide an opportunity for sharing of innovations and inventions.
- To provide an opportunity for engineering students to organize and participate in a professional conference and to interact with International & National eminent scholars and professionals.
- To disseminate the acquired knowledge to the rest of the world through proper research publication channels.
- To provide visibility and acceptance to research work presented by the participants in the conference.

Technical Report:

With an aim to provide a stage for researchers to discuss their ideas, stimulate the young researchers and to promote the collaboration between the research group working in the various fields of Renewable energy resources, the 2nd International conference on New and Renewable Energy Resources for Sustainable Future *ICONRER 2019* was organized during November 07 to 09, 2019. The organizational activities were shared between Department of Mechanical Engineering of Swami Keshvanand Institute of Technology, Management and Gramothan (SKIT) Jaipur, National Institute of Technology Uttarakhand and Department of Mechanical Engineering, Malaviya National Institute of Technology, Jaipur. The venue for the conference was SKIT Jaipur.

The conference was financially sponsored by Science and Engineering Research Board (SERB). The technical sponsors for the conference were ASME student section, SAE collegiate club, Institution of Engineers (India), Indian Society for Technical Education (ISTE), and Indian Concrete Institute (ICI).

Conference committee has signed an agreement for publication with three of the reputed journal. The list of journals is following:

1. International Journal of Environment and Sustainable Development (ESCI, SCOPUS)
Special issue on Smart Use of Resources and Strategies for Sustainable

Development

Guest Editors: Prof. Ashish Nayyar, Prof. Manu Augustine, Dr. Manoj K Sain, Mr. Dinesh Kumar Sharma.

2. International Journal of Renewable Energy Technology

Special issue on Emerging Trends in Renewable and Sustainable Energy

Guest Editors: Prof. Ashish Nayyar, Prof. Manu Augustine, Dr. Om Ji Shukla, Mr. Dinesh Kumar Sharma.

3. Interdisciplinary Environmental Reviews

Special issue on New and Renewable Energy Resources

Guest Editors: Prof. Ashish Nayyar, Prof. Manu Augustine, Dr. Om Ji Shukla, Mr. Dinesh Kumar Sharma.

The scope of this conference encompasses latest research outcomes pertaining to the “Energy” domain in the form of theoretical models, environmental impact, security and defense technology, innovative designs, enhancements and improvements in existing frameworks, sustainable technological advancement and societal welfare.

The conference received 155 Submissions among which 112 were selected for presentation during the conference. Out of these, 102 papers were presented during the conference and 106 paper have been received so far for publication in the journals collaborated with conference. The final publication would be subjected to qualification of paper in peer review process.

The 1st day of the conference started with the inaugural ceremony which was graced by the presence of chief guest **Sh. Ajitabh Sharma**, Chairman Rajasthan Renewable Energy Corporation Limited (RRECL), Rajasthan, guest of honor **Prof. Ahmed Hamza H. Ali** (Assiut University, Assiut, Egypt) and **Prof. Avinash Kumar Agarwal** (IIT Kanpur). The chairman of SKIT Sh. Surja Ram Meel welcomed all participants on behalf of SKIT family and highlighted the need of conferences for effective exchange of research ideas, and extension of research collaborations. The Other dignitaries of the inaugural ceremony were Sh Jaipal Meel, Director, SKIT, Prof. (Dr.) S. L. Surana, Director (Academics), SKIT, Dr. K. Sudhakar, University of Malaysia Pahang, Prof. L. M. Das, IIT Delhi, and Prof. G. N. Tiwari, IIT Delhi.

The inaugural ceremony was followed by plenary talks by Prof. Hamza and Prof. Agarwal. Prof. Hamza presented his research of Sustainable Active Cooling Systems in Refrigeration and Air conditioning. He emphasized on the need of sustainable solution for the active cooling systems in Refrigeration and Air conditioning. Prof. Agarwal discussed the need of IC engines over battery driven electric vehicles. He also underlined the emission from automobile and their impact on human health. The inaugural session ended with felicitation of guests followed by technical details presented by convener of the conference Dr Ashish Nayyar.

First day of the conference was further supplemented with talks by Prof G. N. Tiwari and Prof. L.M. Das from IIT Delhi. Prof. Tiwari emphasized the use of photovoltaic thermal panels to gain co-generation of heat and power

simultaneously within the same area covered by PV modules; that too with increased overall efficiency. Prof. Das presented his research work on the use of hydrogen powered IC engine vehicles for zero carbon content emissions. Day 1 ended with presentation of 32 research papers in three parallel sessions at three venues.

Day-2 of the conference began with the plenary talks of Prof. Dilip Sharma, MNIT Jaipur, Dr. K. Sudhakar, University of Malaysia, and Prof. G.D. Agarwal, MNIT Jaipur. Prof. Sharma discussed modifications in existing IC engines for Bharat Stage VI compliance. His talk was followed by the talk by Dr. Sudhakar on floating PV panels for increased overall efficiency. Prof. Agarwal discussed his research on Solar dryer for drying of crops and vegetables without compromising the nutrition value. The other eminent researchers who graced the second day were Dr. Brajesh Tripathi (Professor, Rajasthan Technical University, Kota), Sh. Ashu Gupta (Coordinator, Energy Conservation Building Code Cell), Dr. M.L. Meena (Asso. Prof., MNIT, Jaipur) and Dr. B. K. Sharma (Professor, Poornima University, Jaipur). A total of 48 research papers were presented in online/offline mode on this day.

Day 3 began with the plenary speech of Prof. B.L. Salvi and Prof. Deepak Sharma of CTAE Udaipur. Prof. Salvi presented his research on combustion and operational issues when Hydrogen is used as an alternative fuel for IC Engines. Prof. Deepak Sharma discussed Bio-energy contribution for Swachh Bharat detailing various advances and breakthroughs in energy recovery technology and applications. Day three ended with presentations of over 22 research papers.

Valedictory ceremony was organized for the conference on Day three. Prof. Deepak Sharma (Chief Guest) along with Prof. S. L. Surana, Prof. N.K. Banthiya, Dr. Ashish Nayyar and Dr. Dheeraj Joshi shared the dais. Certificates were distributed to participants and the Organizing team of the conference. Dr. N. K. Banthiya proposed a formal vote of thanks and declared the official closing of the conference ICONRER-2019.

A project expo was also kept during the conference days during which student research projects were demonstrated to the conference participants. This project expo was complemented by poster and concept presentation competition of the student.

Photographs:



Conference Program

Time	Particulars	Venue
Day 1: Thursday, November 07, 2019		
0900 - 1000	Inaugural Ceremony of ICONRER-2019	Gyan Mandir Auditorium
1000 - 1030	Plenary Talk-1 ; Speaker: Prof. Ahmed Hamza, Assiut University, Egypt; Topic: Sustainable active cooling and refrigeration systems	

1030 - 1100	Plenary Talk-2; Speaker: Prof. Avinash Kumar Agarwal, IIT Kanpur; Topic: Future prospects of internal combustion engines in a green and environmental friendly economy	
1100 - 1115	Closing speech with the technical details of the conference by convener followed by National Anthem	
1115 - 1130	Te a Br ea k	
1130 - 1215	Plenary Talk-3; Speaker: Prof. G. N. Tiwari, IIT Delhi; Topic: PVT system and its applications	Gyan Mandir Auditorium
1215 - 1300	Plenary Talk-4; Speaker: Prof. L. M. Das, IIT Delhi; Topic: Hydrogen as a low - emission renewable fuel for sustainable transport.	
1300 - 1400	Lu nc h Br ea k	
1400- 1530	Session 1.1; Chair: Prof. Ahmed Hamza; Theme: Solar thermal technologies	JC Bose Seminar Hall
	Session 2.1; Chair: Prof. G. N. Tiwari; Theme: Solar Photovoltaic systems	Meghnad Saha Seminar Hall
	Session 3.1; Chair: Prof. L. M. Das; Theme: Alternative Fuels in IC Engines	APJ Abdul Kalam Seminar Hall
1530 - 1545	Te a Br ea k	
Day 2: Friday, November 08, 2019		
0900 - 0940	Plenary Talk -5; Speaker- Prof. Dilip Sharma, MNIT, Jaipur; Topic: Studies on emission reduction techniques in automobiles	JC Bose Seminar Hall
0940 - 1020	Plenary Talk -6; Speaker- Dr. K. Sudhakar, Universiti Malaysia Pahang, Malaysia; Topic: Photovoltaic potential and prospects: energy from rooftop to reservoir	
1020 - 1100	Plenary Talk -7; Speaker- Prof. G D Agarwal, MNIT, Jaipur; Topic: Design methodology for solar drying of pisum sativum	
1100 - 1130	Te a Br ea k	
1130- 1300	Session 1.2; Chair: Prof. Dilip Sharma; Theme: Socio-economic analysis	JC Bose Seminar Hall
	Session 2.2; Chair: Prof. G. D. Agarwal; Theme: Energy Materials	Meghnad Saha Seminar Hall
	Session 3.2; Chair: Dr. Brajesh Tripathi; Theme: Heat Transfer	Kautilya Seminar Hall
1300 - 1400	Lu nc h	

	Br ea k	
1400- 1530	Session 1.3; Chair: Dr. M. L. Meena; Theme: Sustainable production	JC Bose Seminar Hall
	Session 2.3; Chair: Dr. Kunj Bihari Rana; Theme: Non-Conventional Energy	Meghnad Saha Seminar Hall
	Session 3.3; Chair: Dr. B. K. Sharma; Theme: Energy modelling & analysis	Kautilya Seminar Hall
1530 - 1545	Te a Br ea k	
Day 3: Saturday, November 09, 2019		
0900 - 0940	Plenary Talk -8; Speaker- Prof. B. L. Salvi, CTAE, Udaipur; Topic: Hydrogen as clean fuel for transportation vehicles and challenges ahead	JC Bose Seminar Hall
0940 - 1020	Plenary Talk -9; Speaker- Sh. A. K. Narang, Senior Nuclear Scientist, BARC, Mumbai	
1020 - 1100	Plenary Talk -10; Speaker- Prof. Deepak Sharma, CTAE, Udaipur; Topic: Bio-energy for swatch bharat: advances and break-through in energy recovery technology and applications	
1100 - 1130	Te a Br ea k	
1130- 1300	Session 1.4; Chair: Prof. B. L. Salvi; Theme: Technologies in agriculture	JC Bose Seminar Hall
	Session 2.4; Chair: Prof. Deepak Sharma; Theme: Biomass and biogas	Meghnad Saha Seminar Hall
	Session 3.4; Chair: Shri A. K. Narang; Theme: Technologies in IC engines	APJ Abdul Kalam Seminar Hall
1300 - 1400	Lu nc h Br ea k	
1400 - 1500	Valedictory Ceremony	JC Bose Seminar Hall

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2nd INTERNATIONAL CONFERENCE
ON
NEW AND RENEWABLE ENERGY
RESOURCES FOR SUSTAINABLE
FUTURE
ICONRER-2019
NOVEMBER 7-9, 2019

Organized By

DEPARTMENT OF MECHANICAL ENGINEERING
SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY,
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Publication
 Original and unpublished scholarly work would be considered in the special issues of reputed peer reviewed international journals (ES/CS/SD/OPUS/UGG Approved). Team ICONRER-2019 is in communication with the publishers (Elsevier/Springer/Inderscience etc.) for the permission of special issues. The updates will be displayed on the conference website.

Permission from following has already been received for conference special issue:

- International Journal of Environment and Sustainable Development (IESD) (SCOPUS) (Special Issue on Smart use of Resources and Strategies for Sustainable Development)
- Interdisciplinary Environmental Review (Special Issue on New and Renewable Energy Resources)
- International Journal of Renewable Energy Technology (Special Issue on Emerging Trends in Renewable and Sustainable Energy)

Important Dates	
Deadline of receipt of abstract	Aug. 31, 2019
Publication of tentative conference program	Oct. 01, 2019
Notification for abstract acceptance with instruction for manuscript preparation	Oct. 01, 2019
Deadline for receipt of camera-ready manuscript and author registration	Oct. 15, 2019
Conference date	Nov. 7-9, 2019

About Conference

2nd International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2019) is being organized by Department of Mechanical Engineering of Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur (India) during November 7-9, 2019. This scientific dialogue aims to provide a platform where scientists, researchers, academicians, industry experts, new aspirants, as well as students of science and technology can come together and engage in fruitful exchange of views and ideas to pave way for 'New and Renewable Energy Resources'.
 The scope of this conference encompasses latest research outcomes pertaining to the 'Energy' domain in the form of theoretical models, environmental impact, security and defense technology, innovative designs, enhancements and improvements in existing frameworks, sustainable technological advancement, societal welfare etc. Thus the conference intends to bring together the best minds from around the world to cover literally all aspects of energy technology from a multi-disciplinary perspective.

About SKIT Jaipur
 SKIT- Jaipur was established in the Year 2000 as an embodiment of the teachings of Swami Keshvanand. The Institute is affiliated to Rajasthan Technical University, Kota for offering Post - Graduate and Under- Graduate courses in Engineering and Management. Most of the Engineering courses run by SKIT are accredited by NBA. As of today, SKIT Jaipur is ranked no. 1 Institute by Rajasthan Technical University, Kota. Located in the Pink City Jaipur, which is a blend of traditional history and modern outlook, SKIT is putting in efforts for making industry ready engineers and managers through effective Industry - Institute Interface. Apart from University curriculum, SKIT also pursues activities for research and development in various fields.
 The green landscaping and the vibrant pursuit of knowledge by the young aspirants make the environment serene, pleasant and dynamic.
 Students joining the institute share the box full of opportunities for professional and personal development through an environment of practical orientation, industrial interaction and student led activities which help the students to develop good communication skills, integrated personality and greater competitive spirit.
 You are most welcome to visit our website <http://www.skit.ac.in/> to gain more insight about SKIT.

About the Department of Mechanical Engineering
 The department started academic activities in the year 2003-04 with the admission of its first batch of under-graduates. The department offers B.Tech. in Mechanical Engg. and M.Tech. in Production Engg. and Renewable Energy Technology courses. The department has modern laboratories developed and designed from the perspective of the latest requirements of industry-academia. Consistent pursuit of excellence by the department is clearly reflected in the fact that the department has been accredited by National Board of Accreditation (NBA) (India).

The department has developed its facilities in such a way that students can practice self-study and undertake other curricular activities. Special attention is paid for developing positive attitudes, leadership, group working and safety consciousness in the students.

Call for Papers
 Authors are invited to submit abstracts through online abstract and paper submission system (easychair.org) in English language. The abstract should also include names and affiliation of all authors along with their e-mail addresses followed by 3 to 5 keywords. All abstracts will be processed for acceptance after a peer review process.

- Conference Themes**
- Sustainable urban systems and infrastructure
 - Low energy building architecture
 - Alternative fuels and fuel cell technologies
 - Strategies for energy demand and use optimization
 - Sustainable consumption of resources
 - CO₂ capture, storage, and utilization
 - Heating and cooling systems
 - Smart-grid
 - Energy meteorology
 - Non conventional energy
 - Wind energy
 - Solar energy technologies
 - Energy modeling and analysis
 - Socio-economic and policy
 - Nano technology
 - Energy storage technologies
 - Environmental pollution control
 - Green technologies and green buildings
 - Simulation and modeling
 - Energy efficient manufacturing techniques
 - Occupational health issues
 - Materials fabrication and testing

Registration Charges
 Registration will be done online using payment gateway at conference website

Category	Indian	Foreigner
Ph. D. Scholar / M.Tech. / B.Tech. Students	3000 INR	\$ 50
Academicians	4000 INR	\$ 100
Industry Persons	6000 INR	\$ 100

Kindly visit conference website for registration.

List of Participants
ICONRER 2019

R. No.	Name	Category	Email	Affiliation with complete address	Paper Title
1	Syed Mujibur Rehman	Research Scholar	mujib27mi@gmail.com	Mechanical Engineering Department, Jaipur	A Statistical Assessment of Wind Energy Potential in East and Northwestern India
2	MOHAMMAD ZEESHAN	Research Scholar	zeesh23hkg1@gmail.com	Department of Electrical Engineering, Janta Mills	A comparative study of game theory techniques for study of energy interactions in interconnected microgrid
3	MADHURI MORE	Research Scholar	mohammadhuri1992@gmail.com	Maharaja Pratap University of Agriculture and Technology, GORAKHPUR, GOVERNMENT COLLEGE	Design and Development of Pellet Machine for Biogas Slurry as an Organic Manure
4	SATEJIT DUTTA	Academician	hd2158@gmail.com	GOVERNMENT COLLEGE	DECOUPLING BETWEEN GDP AND EMISSION IN CHINA
5	Anam gupta	Dr Tech./M Tech. Students	anam.gupta2839@gmail.com	100/45 janta nagar jaipur	moisture content and demineralization ability of behaviour of Flyash E-glass fiber reinforced/epoxy based composites
6	Vikas Sharma	Research Scholar	unadwasar0908@gmail.com	Research Scholar, Department of Mechanical Engineering, IIT	Physical and Mechanical Characterization of Sustainable Composites Based on Fly Ash
7	Shardul Prasad Juyap	Research Scholar	jayapshardul@gmail.com	Jawahar Lal Nehru Institute of Engineering and Technology, Rajasthan Technical University, Kota 324010	Effect of B20 and B30 Jatropa Biodiesel Blends on Combustion Characteristics of Multicell Cold LHR DI
8	Amit Kumar Nanda	Research Scholar	amitnanda1984@gmail.com	ER&E lab, Electronics Engineering Department, IIT	Performance Improvement of Savonius turbine by design modifications: A review
9	MANNAS RANJAN TRIPATHY	Research Scholar	mnnasttr@gmail.com	Research Scholar, Bharatiya Skill Development University Jaipur	Effect of Defects density and doping concentration on the performance of hybrid perovskite solar cell having NiOx on back and thin film PV materials
10	Manish Sharma	Research Scholar	manishsharma480@gmail.com	Poornima University, Jaipur	A Review on Hybrid Nanofluid: Current Research and Sustainable Development for Turbine Operation
11	ANUP ANIL JUNASKAR	Research Scholar	anup2018@gmail.com	Poornima University, Jaipur	Comparative Study of Diverse Input and Output Welding Parameters
12	AAMIR R. SAYEED	Research Scholar	amr5606@gmail.com	Government Engineering Bachelor, Rajasthan, India	Lean Six-Sigma Methodology to Reduce Rejections and Failure Cost at Shop Floor of a Wire Harness
13	PRAMOD KUMAR	Research Scholar	pramodkumar1984@gmail.com	Saty Mahal Institute of Technology (Degree Engg. Div)	DESIGN AND ECONOMIC ANALYSIS OF A STANDALONE PHOTOVOLTAIC SYSTEM FOR
14	Dr. Debajit Mishra	Academician	debajitmishra@gmail.com	Maharaja Pratap University of Agriculture and Technology,	Improvement in Wind Energy Sector using Nanotechnology
15	Madhuri More	Research Scholar	mohammadhuri1992@gmail.com	Research scholar Poornima University, Jaipur	Heat Transfer Performance on Application of Nanofluid in Heat Exchanger
16	Rohit M. Dasi	Research Scholar	rohitm_39@gmail.com	Maharaja Pratap, C/O- Tachan Das	Studies on the effect of different ionic liquids and surfactants on biomass pretreatment
17	Madhuri More	Research Scholar	mohammadhuri1992@gmail.com	Maharaja Pratap, C/O- Tachan Das	A nonlinear PID controller based novel maximum power point tracker for PV systems
18	RECHA JAIN	Dr Tech./M Tech. Students	recha.jain@gmail.com	100/45 janta nagar jaipur	A nonlinear PID controller based novel maximum power point tracker for PV systems

19	Sankarona Kumar	Research Scholar	ksankar@gnuni.com	Research Scholar, Dept of Mech Engg, MLLU, Jaipur	Energy Evaluation Performance of Variable Speed Solar Milk Refrigerator using B290
20	Shivam Joshi	B.Tech./M.Tech. Student	meeshivam1996@gmail.com	Advanced Research Lab For Tribology, MNIT Jaipur 302017	Erosion wear assessment of mill scale filled natural fiber composite using Taguchi. Effect of filler size
21	Digambar Singh	Research Scholar	digambarwar@gnuni.com	PhD research scholar, Mechanical Engineering	A review on Emissions Reductive Techniques used in Internal Combustion
22	Mona Rajora	Research Scholar	manishrajora@gmail.com	Mech Scholar Mechanical engineering department MNIT	A review on Production processes, Performance and Emissions analysis of Hydrogen as a fuel in I.C. engines
23	Iqbal Mishra	B.Tech./M.Tech. Student	iqbalmishra@yahooinfo.co.in	Mech scholar Department of Mechanical engineering MNIT	A review on Performance combustion and Emissions analysis of different generation of biofuel in CI engines
24	UPLABDH TIYAGI	Research Scholar	uplabdhtyagi290@gmail.com	Department of Chemical Technology, Guru Gobind Singh	Depolymerization of microcrystalline cellulose to reducing sugars and 5-HMF catalyzed by modified activated carbon
25	Bhauru Ashutya Sharma	Research Scholar	bhauru_ashutya@scr.pdpu.ac.in	Mr. Bhauru Ashutya sharma, C-6, 2nd floor, D block, SOT,	Wind speed trend analysis at six locations along Indian coast for 40 years (1979-2018)
26	Somudeep Bhambhaniya	Research Scholar	somudeep_oel@tripuniv.in	PhD Research Scholar, Electrical Engineering	Technical feasibility study and optimization analysis on solar Stirling based pumped storage hydro power plant
27	ANKUSH JAIN	B.Tech./M.Tech. Student	ankushjain13@yahoo.in	BHILWARA	Aerodynamic analysis of small-scale horizontal axis wind turbine blade profiles using CFD
28	Narven Agrawal	Research Scholar	narven_agrawal@graafakes.edu.in	TERI SAS, Vasant Kunj, Delhi	Exploring the Impact of Cross Subsidy on growth of Renewable Energy Generation Capacity in India
29	Sonu Kumar	Research Scholar	sonukumard@gmail.com	Academy of Scientific and Innovative Research (AASIRA),	Solar Photocatalytic Decolorization of Dyeing Wastewater using Low Cost Nanomaterial
30	N R N V GOWRIPATHE BAO	Research Scholar	gowripatrnvbaop@gmail.com	MNIT Jaipur, JLN Marg, Jaipur-302017	Design of four bar mechanism for winery tillage cultivator using five precision position method for path
31	Shankar K	Research Scholar	shankarshankar@gmail.com	IQAC Dept, CPET HQ, T-IV, Ks Industrial Estate, Opp to	An Alternative New Generation Fuel from Plastic Wastes with more caloric value- An Energy Recovery Method
32	Rajat Arora	Academician	rajatarora1999@gmail.com	RAY-078/072 Near Ranbar Temple, Jaipur, Kota (Raj.)	A Study of In-cylinder Cold Flow Strain of Diesel Engine using Computational Fluid Dynamics
33	ARJUN SANJAY PAUL	Research Scholar	arjee08@gmail.com	DEPARTMENT OF RENEWABLE ENERGY	Bio-oil production from agricultural crop residues- a review
34	Arunja M. Ingle	Academician	arunja.ingle@gmail.com	Mechanics Institute of Technology Aurangabad	Experimental investigation of Photovoltaic System with different Electrical Configurations and Topologies
35	DEEPAK KUMAR JARWAL	Research Scholar	deepakjksce15@gmail.com	CEMIL Lab, Electronic department, IIT(GHRI)	Performance Analysis and Experimental Validation of ZnO Nanorods ETL based Hybrid Perovskite Solar Cell
36	Priyav Ashish Handant	Research Scholar	priyavashish123@gmail.com	Research scholar, Department of Renewable Energy Engineering,	Analysis of Biochar from Carbonization of Wheat Straw Using Continuous Auger Reactor
37	Jagdish Bhauli	Research Scholar	ej_bhauli@gmail.com	Govt Engg. College Bikaner	Implementation of SS method in Ceramic Industry- A Case Study
38	SAMAKSHI VERMA	Research Scholar	samakshiverma1234@gmail.com	DEPARTMENT OF BIOSCIENCE AND	Isolation and characterization of lipid producing algae for bio-diesel production
39	Deepak Sharma	Research Scholar	ej_bhauli@gmail.com	Govt Engg. College, Bikaner	Application of Supply Chain Management in Paped Industry- A Case Study

40	Sibshri Abenrad	B.Tech./M.Tech. Students	2016imesadshri2302@pccomm.a.edu.in	Poornima University, Jamshedpur, P.O. V60001	Performance Analysis of Thermal Energy Storage Devices
41	Anita Bhadani	Research Scholar	2015an2921@gmail.com	MNIT Jaipur	Experimental studies on combustion duration and ignition delay period for a newly prepared pinnaura emulsified diesel
42	NILJESH B HADIYA	B.Tech./M.Tech. Students	2018PNSM5481@MNIT.AC.IN	MNIT JAIPUR, MALAVIYA NAGAR, JLN MARG JAIPUR,	Avenues for Blockchain Implementation in Decentralized Power Trading
43	Devedra Kumar Doda	Research Scholar	devedra.doda@gmail.com	Department of Electrical Engineering, Jorhatia	Financial Feasibility of Solar PV Lanterns for Household of a Remote Village Cluster without Access to Electricity
44	Tanishree saul	B.Tech./M.Tech. Students	tanishreeson94@gmail.com	18 RR palace gurgaon nagar gurgaon road near royal garden	Computational fluid dynamic study of condenser for bio oil recovery
45	SACHIN YADAV	B.Tech./M.Tech. Students	sachinyadav9723@gmail.com	SKIT College, Shivson Nagar, Jagatpura Jaipur	Review of effect of ternary blends on the performance and emissions of stationary VCR diesel engine
46	Ram Rudresh	B.Tech./M.Tech. Students	ram.rudr08@gmail.com	20, Vireyark park society, Nr Ashirwad Road, Gyanimandir	Geothermal power plant assisted with vapor absorption system
47	NIKHIL V BHENDE	Research Scholar	nikhilbende05@gmail.com	Research Scholar, Mechanical Department, School of	Design of Multilayer Fertilizer for Reduction of Fertilizer Waste of Cotton Crop of Vidharba Region
48	Vandha Upadhyay	Research Scholar	vandhau06@gmail.com	Banshodhi Vidyapeeth, Hoyal - Shri shanta Nilay , room-78	Polyhydroxybiyozanne production from waste biomass
49	Sumit sharma	B.Tech./M.Tech. Students	sumit1111@gmail.com	SKIT, Jaipur	Performance Study of Grid Associated LoopPp Solar Photovoltaic Module System
50	Vinod Kumar Verma	Research Scholar	vinodk@rcjioier.ac.in	Mr. Vinod Kumar Verma Asst. Professor in Engineering	A Review Paper on the Vial Role of Oxide Layer in the Formation of Glass-Metal Seal, in Solar Receiver Tube.
51	Dhruvit shankar	B.Tech./M.Tech. Students	dhruvitshankar@gmail.com	Rudresh ram	Geothermal Power Plant Assisted with Vapor Absorption system
52	PRATISH RAWAT	Research Scholar	pratish.rawat@pccomm.a.edu.in	Poornima University, Plot No. JS-2027-2031,	A review of barriers in adoption of industry 4.0 in Indian Micro, Small, and Medium Enterprises (MSMEs)
53	Dheer pawar	B.Tech./M.Tech. Students	dheerpawar09@gmail.com	E-31 unquiya site, sodar road near bella bong school vadodra	Numerical Analysis of Different Refrigeration Systems
54	Dr. Jignesh R Mehta	Academician	jnmehta1999@gmail.com	Department of Mechanical Engineering, Faculty of Navrachana University, Vana-Bhavli Main Rd, Vadodra,	Enhancing Energy Efficiency using Integrated of Vapor Compression Refrigeration-Liquid Desiccant Air
55	MADHURV A DAS	B.Tech./M.Tech. Students	madduramadas09@gmail.com	RTU, Kota	Numerical Analysis of Different Refrigeration Systems
56	Sonujy Kumar	Research Scholar	sonujy07vishu23@gmail.com	Mechanical Engg. Dept., RTU, Kota	Effects of metallic additives on performance and emission characteristics of diesel engine: A review
57	RAJ KUMAR BAIRWA	Academician	r.kumar.ajay.05@rtu.ac.in		A Review of Efficient Solar Still
58	PRYUSH KUMAR JAIN	Academician	pryush.jain2307@gmail.com	2-5-1, Malavkar Nagar Extension, Kota	THERMAL AUGMENTATION AND FLOW ANALYSIS OF SOLAR AIR HEATER USING ARTIFICIAL
59	Dnyaneshwar Shivaji Mahwad	Research Scholar	dnyaneshwar09@gmail.com	SOGS Institute of Engineering and Technology, Vishnupur,	Parametric Analysis of Scheffler Concentrator with Convex Reflector for Direct Steam Generation
60	Sonu Kumar	Research Scholar	sonukg04@gmail.com	Academy of Scientific and Innovative Research (ACSIR),	Grid Tied Inverter for Renewable Energy - A Review

61	Sanil Narasware	Research Scholar	narasware.sanil@gmail.com	College of Technology and Engineering, MPJAL, Udaipur	Study on physico-chemical treatment of effluents from biomass gasifier power generation system.
62	Deepika Bhatnag	Research Scholar	deepika2016@gmail.com	A 161 Subhanshi Hostel, IIT Gandhinagar	A comparative study between the conventional power distribution system and flare gas waste based Microgrid Experimental and Waste Heat Analysis of IC Engine
63	Nisarg Langolia	B.Tech./M.Tech. Students	nisarglangolia98@gmail.com	(B/608, Madhav Hall, Wajbhavadi Road, Bhavnagar	Solar Powered Motorised Two Wheel Scooter
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65	Navroz Kumar Saini	SKIT FACULTY	navroz_saini90@gmail.com	261/512, SECTOR 76, PRATAP NAGAR, JAIPUR-	Effect of diesel-n-butanol-nitroethane blend on Performance of a direct injection VCR diesel engine Experimental and Waste Heat Analysis of IC Engine
66	Jashiv Patel	B.Tech./M.Tech. Students	jashivpatel1607@gmail.com	GSFC University (GSFC University) P.O. University Jaipur	Thermal Regulation and Performance Enhancement of Solar PV Panel Using PCM QM29
67	Arun Bhatnagar	Academician	achandunpink1988@gmail.com	SKIT, Jaipur	The Influence of diesel-additives ternary fuel blends on non-road VCR diesel engine using hybrid Entropy-VIKOR (fuzzy/entropy) spreading machine Development and Testing
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70	Raju Malhotra	B.Tech./M.Tech. Students	regumalora12@gmail.com	SKIT, Jaipur	The influence of D-DIE-E blend and various operating parameters on CI engine performance
71	Sareesh Choudhary	Academician	scsareesh31@gmail.com	SKIT, Jaipur	Effect of fins, baffles and artificial roughness on thermodynamic performance of solar air heater: A Review
72	Aakshay Sharma	B.Tech./M.Tech. Students	saakshaysharma23050811@gmail.com	SKIT, Jaipur	Mechanical and Wear Characterization of Epoxy Resin Based PCM for Sustainable Utilization of Stone Industry
73	Dr. Suresh Joshi	Academician	svsjo@nitj@gmail.com	Department of Chemistry, Swarni Keshavnagar Institute,	Biodegrad: Indian scenario
74	De Poojara Ojha	Academician	gannojha@gmail.com	Swarni Keshavnagar Institute of Technology, Management and Department of Mechanical Engineering	Review on Energy Production from Anaerobic Co-digestion of Organic Waste
75	SUMIT SHARMA	Research Scholar	sumit_sharma118@gmail.com	Department of Electrical Engineering, Tripathi University, Department, Tripathi University,	Effect of spark timing on performance and emission of Gasoline-Acetylene fuelled spark ignition engine
76	Ujjwan Das	B.Tech./M.Tech. Students	ujjwan1995@gmail.com	Department, Tripathi University, 316, varya esigar, gopaldpur	A Review on Renewable Energies and its Advantages on Hybrid Power Generation System
77	Arun Singhhal	B.Tech./M.Tech. Students	arunsinghhal123123@gmail.com	bypass, jaipur	Shell and tube heat exchanger
78	Deepak Tarwar	Research Scholar	deepaktarwar@gmail.com	3A, Shiva Colony, Tansen Colony, Puzarna Chauri Nalka, RIET, Jaipur	Bio diesel production from abundantly available wastes and their potential as a fuel for use in a Diesel Engine: A review
79	RAM SINGH YADAV	B.Tech./M.Tech. Students	rsy1508@gmail.com	National Institute of Technology Hamirpur HP	A comparative study of MPPT techniques for solar PV based system using soft optimization techniques
80	Aayush Singh Bhatt	Research Scholar	abht317@gmail.com	SKIT - Karamgarh, Jaipur, GNITC, Ibrahimpatnam Jaipur	Identification of the factors related to pipe scale gasification based electricity generation in the western Hydroelectric Turbine for Hydel Energy
81	Gaurav Gupta	B.Tech./M.Tech. Students	gauravg897@gmail.com	SKIT - Karamgarh, Jaipur, GNITC, Ibrahimpatnam Jaipur	Effect on COP due to superheating of refrigerant before compression while working under same operating pressure
82	ajay kumar	Academician	ajayk22@gmail.com	SKIT Jaipur	Design and Development of Spherical Cross Flow Hydroelectric Turbine for Hydel Energy
83	Pulkit Jain	B.Tech./M.Tech. Students	pulkitjain10@gmail.com	Assst. Prof	A comparative analysis of various PV panels through life cycle assessment
84	Sonita	Academician	sonita281@gmail.com	SKIT, JAIPUR	Municipal solid waste management in India: Status, problems, challenges & solutions.
85	Lakshya K. Kotharia	SKIT STUDENT	lakshya1696@gmail.com	SKIT, JAIPUR	An Experimental Analysis of Impact and Flexural Mechanical Properties on Polylactic Acid and Polyurethane
86	ARJUN RAM PRADIPAT	skit (raj)	arjunrampradipat99@gmail.com	skit mechanical department	Modeling of Cooking Energy: A new approach to calculate cooking energy need for a single rural household of India
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