



A
Report
on
International Conference
On
Smart Industries and Manufacturing
Systems for Sustainable Development
(SIMS-2022)

11th -12th November, 2022

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

PRINCIPAL COORDINATOR

Prof. Dheeraj Joshi
HOD, Mechanical Engineering
CONVENERS

Dr. Manoj Kumar Sain
Associate Professor,
Department of Mechanical Engineering

Mr. Praveen Saraswat
Associate Professor,
Department of Mechanical Engineering

ORGANIZING SECRETARY

Mr. Ankit Agarwal
Associate Professor,
Department of Mechanical
Engineering

Mr. Dinesh Kr. Sharma
Assistant Professor,
Department of Mechanical
Engineering

Mr. Brij Mohan Sharma
Assistant Professor,
Department of Mechanical
Engineering

PUBLISHING PARTNERS



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Approval Letter



Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

DEPARTMENT OF MECHANICAL ENGINEERING
Plan & Details of Events to be Organized in Session:2022-23

S. No.	Type of Event	Title of Event	Mode of Conduction	Proposed Date	Name of Coordinator	Any Collaboration	Budget Required
8	FDP	Advanced Optimization Techniques	Online	January 9 -13, 2023	Dr. Prem Singh Mr. Sudesh Garg		55000
9	FDP	Ansys software and its applications	Online	February 14-18, 2023	Dr. Manu Augustine Mr. Arun Beniwal Mr. Naveen Kumar Sain		30,000
10	FDP	Energy simulation tools for renewable energy systems	Online	March 21 -25, 2023	Dr. Chandan Kumar Mr. Dinesh Kumar Sharma Mr. Ankit Agarwal	IGBC, ASHRAE Rajasthan Chapter	30000
11	Non-Teaching Staff Workshop	Hands on training on 3-D printing for Non-Teaching Staff	Physical	October 10-14, 2022	Prof. Dhaceraj Joshi Mr. Praveen Saraswat	e Yantira	5000
12	International Conference	Smart Industries and Manufacturing Systems for Sustainable Development (SIMS 2022)	Online	November 11-12, 2022	Prof. Dhaceraj Joshi Dr. Manoj Kumar Sain Mr. Praveen Saraswat	Evergreen Journal	30000
13	International Conference	ICONRER 2023	Physical	May 18-20, 2023	Prof. Ashish Nayyar	Universiti of Malaysia, Pahang and Assiut University, Egypt	300000

Prof. Dhaceraj Joshi
Head, Mech. Eng. Deptt.

Copy to:
Principal
Dean
DFA

→ Proposed budget exceeds by sanctioned amount under this head
it is 3,00,000/-
→ Therefore, events may be adjusted to according to sanctioned budget.
Approved Conditionally Yes permitted. Forwarded to Synthesis/Director
as above for approval. 28.9.22
Markesy.
28.9.22

Approved
Date
18/10/2022

Conference Brochure

Patrons

Mr. Raja Ram Meel, Patron, SKIT, Jaipur
Mr. Surja Ram Meel, Chairman, SKIT, Jaipur

Mentors

Shri Jaipal Meel, Director
Prof. (Dr.) S. L. Surana, Director (Academics)
Prof. (Dr.) Ramesh Kumar Pachar, Principal
Mrs. Rachna Meel, Registrar
Mrs. Abba Meel, Advisor

Conference Advisory Board

Prof. José Machado, University of Minho, Portugal
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Prof. R. Echempati, Kettering University, USA
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Dr. Meghanshu Vashista, IIT BHU, India
Dr. Mukesh Jewariya, Sr. Scientist, CSIR-NPL, Delhi, India
Dr. Joy Prakash Misra, IIT BHU, India
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Prof. Avanish Kumar Dubey, MNNIT Allahabad, India
Dr. M. L. Meena, MNIT Jaipur, India
Dr. Rajeev Agrawal, MNIT Jaipur, India
Dr. Amar Patnaik, MNIT Jaipur, India
Dr. D. N. Raut, VJTI, India
Dr. Vijay Kumar Dalla, NIT Jamshedpur, India
Dr. Ravi Kumar Mandava, NIT Bhopal, India
Dr. Om Ji Shukla, NIT Patna, India
Dr. K. B. Rana, RTU, Kota, India
Dr. Deepali Atheaya, Bennett University, India
Dr. Ashish Singh, NIFT Bhopal, India

Important Dates

Paper Submission last date : 20 Oct., 2022
Acceptance of Paper : 01 Nov., 2022
Last date of registration : 01 Nov., 2022

Registration Fee

Category	Indian	Foreigner
PhD Scholar/Students:	3000/-	40 USD
Academicians:	4000/-	55 USD
Industry Person:	4000/-	55 USD

Payment Details

Please note that at least one author must be registered in order to include your submission into conference and further for processing into journals. Other authors may register as attendee by paying a sum of ₹500 INR to attend the conference (It does include only Certificate of attendee for conference).

Payment link:

<https://rzp.io//nBW3tQz>

Registration link:

<https://forms.gle/nod3rHbhW2DEdB819>

Publications



International
Conference
on

**Smart Industries and
Manufacturing Systems for
Sustainable Development
(SIMS-2022)**

November 11-12, 2022

Organized by

Department of Mechanical Engineering
(NBA Accredited)



Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur – 302017
Website: www.skit.ac.in

Contact Us

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Mr. Praveen Saraswat, Associate Professor,
Department of Mechanical Engineering
Contact: 9785018458

Swami Keshvanand Institute of Technology Management & Gramothan
Ramnagar, Jagatpura, Jaipur-302 017, Rajasthan, India

<p>Institute Advisory Board Prof. (Dr.) R. K. Jain, Dean Prof. Hemlata Dullar, Principal, SKIP Prof. (Dr.) Anil Choudhary, HOD-IT Prof. (Dr.) Mukesh Kumar Gupta, HOD-CS Prof. (Dr.) D.K. Sharma, HOD-Civil Prof. (Dr.) Dheeraj Joshi, HOD-ME Prof. (Dr.) Mukesh Arora, HOD-EC & OFA Dr. Dhanraj Chitara, HOD-EE Prof. (Dr.) Rohit Mukherjee, I/C B.Tech. I Year Prof. (Dr.) Amber Srivastava, HOD-Maths Prof. (Dr.) Brajraj Sharma, HOD-Physics Prof. (Dr.) Neha Purohit, HOD- English Prof. (Dr.) Ona Ladiwal, HOD-MBA</p> <p>Principal Coordinator Dr. Dheeraj Joshi Professor & Head, Department of Mechanical Engineering</p> <p>Conveners 1. Dr. Manoj Kumar Sain Associate Professor, Department of Mechanical Engineering 2. Mr. Praveen Saraswat Associate Professor, Department of Mechanical Engineering</p> <p>Organizing Secretaries 1. Mr. Ankit Agarwal Associate Professor, Department of Mechanical Engineering 2. Mr. Dinesh Kumar Sharma Assistant Professor, Department of Mechanical Engineering 3. Mr. Brij Mohan Sharma Assistant Professor, Department of Mechanical Engineering</p> <p>Organizing Committee 1. Dr. Chandan Kumar Assistant Professor, Department of Mechanical Engineering 2. Mr. Sandeep Kumar Bhasker Assistant Professor Department of Mechanical Engineering 3. Mr. Naveen Kumar Sain Assistant Professor, Department of Mechanical Engineering 4. Ms. Namita Soni Assistant Professor, Department of Mechanical Engineering</p> <p>Publication Committee 1. Dr. Deepak Kumar Associate Professor, Department of Mechanical Engineering 2. Dr. Vikash Gautam Associate Professor, Department of Mechanical Engineering 3. Dr. Achin Srivastav Associate Professor, Department of Mechanical Engineering 4. Dr. Prem Singh Associate Professor, Department of Mechanical Engineering</p>	<p>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 academia. Consistent pursuit of excellence by the department is clearly reflected in the fact that the department has been accredited three times by National Board of Accreditation (NBA) (India).</p> <p>About SKIT Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT) is a selective comprehensive institution offering undergraduate and postgraduate programmes in Engineering and Management. The institute was established in the year 2000 by a team of committed professionals and academicians. During all the past years SKIT has emerged as a Premier Centre of Technical Education not only in Rajasthan but also in northern India which has been realized through efficient and dedicated faculty members, innovative teaching-learning methods, state of art infrastructure and core value of discipline. The various undergraduate programmes of the institute are accredited by the National Board of Accreditation (NBA).</p> <p>About the Jaipur The world famous 'PINK CITY', the capital of the Rajasthan state founded in 1727 AD by Sawai Jai Singh II is one of the most popular tourist destinations. It has a rich culture heritage and many important historical places viz. Amber Fort, Jaigarh Fort, Mahargarh Fort, City Palace, Albert Hall Museum, Jantar-Mantar, Govind-Dev Ji Temple, and Birla Mandir. Jaipur is also famous for its handloom & handicraft, and proves a heaven for shopping and enjoyment. This fascinating city with its romantic charm takes you to an epoch of royalty and tradition.</p> <p>About The Conference The industrial growth is emerging and evolving almost in every country. Indian government is also focusing on industrial revolution through its various flagship programs such as Make in India, Smart Cities, Skill India etc. These changes are governing the transformation of entire systems of production, management, and governance. Smart use of resources, automation and data analytics could impact their business drastically. This two-day <i>International Conference On Smart Industries and Manufacturing Systems for Sustainable Development (SIMS2022)</i> will discuss the impact of transition on infrastructure, ecosystem, efficiency and competitiveness of industrial operations. The conference aims to address the impact of</p>	<p>IOT and AI on value chain support and operational challenges of Industry 4.0 on certain industries which are emerging into smart operation in terms of monitoring and controlling data. The conference targets to provide state-of-the-art development in the field of industrial and production engineering to research scholars, scientists, industry learners and postgraduates from the various domains of engineering and related fields.</p> <p>Conference Objectives</p> <ul style="list-style-type: none"> ❖ To bring together researchers, academicians, professionals, and students from various engineering and management fields, with cross-disciplinary interests and working in smart industries, to interact and disseminate information on the latest developments. ❖ To provide a platform to stakeholders to share their experience and research findings about integrated aspects of smart industries ❖ To discuss challenges imposed by cultural, legacy and sociopolitical factors for Industrial evolution. ❖ To deliberate recent innovations, trends, and concerns in theory and practice. <p>Themes of the Conference</p> <ul style="list-style-type: none"> • Additive manufacturing • Advanced machining • Artificial Intelligence • Energy management • Environmental aspects • Ergonomics and human factors • Fuzzy Logic & Genetic Algorithms. • Green manufacturing • High speed machining • Industrial internet of things and Industry 4.0 • Industrial robotics • Industrial tribology • Industrial waste management • Intelligent manufacturing systems • Metrology • Smart materials • Sustainable manufacturing • Other related topics <p>Call for Papers</p> <p>Papers are to be submitted through the online Submission portal: easychair.org. The submission Web page for SIMS-2022 is https://easychair.org/account/signin?l=ojV6cSCsFfUuYyE5G1DEZc</p>
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Conference Detailed Schedule

International Conference on "Smart Industries and Manufacturing Systems for Sustainable Development" (SIMS-2022) November 11-12, 2022 (Virtual Mode) Organized by Department of Mechanical Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur			
Conference Program			
Time (IST)	Day 1: Friday November 11, 2022 Joining Link: https://bit.ly/3fN5oaJ		
09:00-09:05	Comparing by Anchor		
09:05-09:10	Welcome note by Prof. Dheeraj Joshi, HoD, Deptt. of Mechanical Engg.		
09:10-09:25	Conference Thematic Address by Prof. S. L. Surana, Director Academics, SKIT, M&G		
09:25-09:28	About the conference by Dr. Manoj Kumar Sain, Convener, SIMS 2022		
09:28-09:30	Group Photograph		
09:30-10:30	Keynote Talk-1 Prof. P.N. Rao, University of Northern Iowa, USA Topic: Smart manufacturing and Industry 4.0		
10:30-12:15	Technical Session-1 Session Chair: Dr. K. B. Rana, RTU, Kota Moderator: Dr. Deepak Kumar, SKIT, M & G		
10:30-10:45	7254	Rohan Sawant	Case Study on River Pollution of Pune City and Waste Management
10:45-11:00	7891	AKSHAY JHINGRAN	KEY CHALLENGES OF SUSTAINABILITY INDEX DEVELOPMENT FOR URBAN TRANSPORT SYSTEM OF JAIPUR CITY
11:00-11:15	647	Kartikaye Joshi	Optimization of stone column made by waste material of local available stone in Rajasthan to help the Sustainable development: An Numerical Study
11:15-11:30	9480	Sumit Taneja	A Review on the Prospects of Various Gaseous Fuel as an Automotive Fuel and for Reducing Environmental Pollution
11:30-11:45	2741	Shweta Meena	Energy Management Using PTDF in a Deregulated Electricity System
11:45-12:00	5478	DIVYANSHI SHARMA	Techno Economic analysis of insulating bricks used in educational building made by local available agricultural waste
12:00-12:15	6716	Purva Bhatt	Industry 4.0 and Sustainability: Leveraging Community Engagement for Achieving Partnership for Common Goals
12:15-13:00	Break		
13:00-14:00	Keynote Talk-2 Dr. Joy Prakash Misra, IIT BHU Topic: Recent Trends in Advanced Machining Process		
14:00-15:30	Technical Session-2 Session Chair: Dr. Ashish Goyal, Manipal University, Jaipur Session Moderator: Dr. Achin Srivastav, SKIT, M & G		
14:00-14:15	3139	Devesh Tiwadi	Interrelationship modeling among the parameters for improving weld strength in TIG welding using DEMATEL software
14:15-14:30	7449	Namita Soni	Impact of filler on mechanical and dynamic mechanical properties of waste marble dust filled aramid fibre reinforced polymer composite
14:30-14:45	1128	Nishant Sachdeva	Sustainable Use of Solid Waste as Additives in Soil Stabilization: A State-of-Art-Review
14:45-15:00	6790	Dr. Deepak Kumar	An Investigation on thermo- mechanical behaviour of injection moulded PP-compounds
15:00-15:15	6432	Giriraj Mitharwal	An experimental investigation of Rotary Ultrasonic Machining and Mechanical property evaluation on Hand Layup Fabricated hybrid composite
15:15-15:30	5036	Mamata Rath	A Smart Human Resource Approach using Artificial Intelligence with Improved Employee Satisfaction for better sustainability in Organisation

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 Ramnagar, Jagatpura, Jaipur-302 017, Rajasthan, India

Time (IST)	Day 2: Saturday November 12, 2022 Joining Link: https://bit.ly/3Th8XU7		
09:00-10:00	Keynote Talk-3 Prof. R. Echempati, Kettering University, USA Topic: Sustainable Supply Chain Management and Logistics		
10:00-11:30	Technical Session-3 Session Chair: Dr. M L Meena, MNIT, Jaipur Session Moderator: Dr. Manoj Kumar Sain, SKIT, M & G		
10:00-10:15	8746	Manmohan Meena	Experimental Investigation on the Mechanical and Abrasive Properties of Ceramic Particulate Filled Basalt Fiber Reinforced Epoxy Polymer Composites
10:15-10:30	7887	Anamika Jain	Optimization of multicomponent Machine System with Reneging
10:30-10:45	7239	Hrithik M	DESIGN ANALYSIS AND FABRICATION OF SHAFT DRIVEN BICYCLE
10:45-11:00	9397	Achin Srivastav	Development of Regression Equations for Stochastic Inventory System
11:00-11:15	1073	Neeru	Identifying the customer complaints for heavy duty transformers made by small scale industries and resolve the problems using Six Sigma DMAIC method"
11:15-11:30	360	Naveen Kumar Sain	Experimental Investigation of Float Glass in Rotary Ultrasonic Machining for Sustainable Manufacturing
11:30-12:00	Break		
12:00-13:00	Keynote Talk-4 Dr. Rajeev Agrawal, MNIT, Jaipur Topic: Role of Automation in smart manufacturing		
13:00-14:30	Technical Session-4 Session Chair: Dr. Manoj Kumar Sain, SKIT, Jaipur Session Moderator: Dr. Chandan Kumar, SKIT, Jaipur		
13:00-13:15	6618	Raj Kumar	Optimization bin Flexural and Physical Behavior of Agricultural waste Reinforced Epoxy Based Polymer Composite by Taguchi Technique
13:15-13:30	3438	Priyanka Sharma	Modern-age Agriculture with Artificial Intelligence: Emphasizing Crop Yield Prediction
13:30-13:45	3262	Dr. Amit Jhalani	Energy security scenarios for India under diversified demand and supply
13:45-14:30	Break		
14:30-15:30	Valedictory Session		

Invitation Letter

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

Cordially invites you to the
INAUGURAL SESSION
(November 11, 2022 from 09:00 AM onwards)

of
International Conference
on
*Smart Industries and Manufacturing Systems
for Sustainable Development*

SIMS-2022

Nov 11-12, 2022

Chief Guest
Prof. P. N. Rao
University of Northern Iowa, USA

Joining Link
<https://bit.ly/3fN5oa1>

Your benign presence is requested to grace the event.

Team
SIMS-2022

Swami Keshvanand Institute of Technology Management & Gramothan
Ramnagar, Jagatpura, Jaipur-302 017, Rajasthan, India

List of Invited Guests and Speakers

S. No	Guest/Speakers	Name and Affiliation
1.	Invited Speaker 1	Prof. P.N. Rao, University of Northern Iowa, USA
2.	Invited Speaker 2	Dr. Joy Prakash Misra, IIT BHU, Varanasi
3.	Invited Speaker 3	Prof. R. Echempati, Kettering University, USA
4.	Invited Speaker 4	Dr. Rajeev Agrawal, MNIT, Jaipur
5.	Session Chair 1	Dr. K. B. Rana, RTU, Kota
6.	Session Chair 2	Dr. Ashish Goyal, Manipal University, Jaipur
7.	Session Chair 3	Dr. M L Meena, MNIT, Jaipur
8.	Session Chair 4	Dr. Manoj Kumar Sain, SKIT, Jaipur

Consent from Publication Partner

1/3/23, 2:10 PM

Swami Keshvanand Institute of Technology Mail - Proposal for special issue of SIMS 2022 in Evergreen



Dr. Manoj Kumar Sain <manoj.sain@skit.ac.in>

Proposal for special issue of SIMS 2022 in Evergreen

KYAW THU <kyaw.thu.813@m.kyushu-u.ac.jp>

Sun, Aug 28, 2022 at 8:03 AM

To: "Dr. Manoj Kumar Sain" <manoj.sain@skit.ac.in>

Cc: "evergreen@ga.kyushu-u.ac.jp" <evergreen@ga.kyushu-u.ac.jp>, KYAW THU <kyaw.thu.813@m.kyushu-u.ac.jp>

Dear Prof. Manoj Kumar Sain,

Thank you for your email. I am pleased to inform you that your special issue proposal was approved based on the agreed conditions (EVERGREEN Special issue information Jan 2022 file & 25 USD per article).

Please find the attached files for the official logos.

Please contact me a few days after finishing the conference so that I can advise you about further processes.

[Quoted text hidden]

5 attachments

evergreen_banner.jpg
16Kevergreen_banner.png
358K evergreen_banner.svg
56K EVERGREEN Special issue information Jan 2022.xlsx
23K evergreen_banner.pdf
313K

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Ramnagar, Jagatpura, Jaipur-302 017, Rajasthan, India

List of Paper Presented

S. No.	Paper ID	Title of Paper
1	8746	Experimental Investigation on the Mechanical and Abrasive Properties of Ceramic Particulate Filled Basalt Fiber Reinforced Epoxy Polymer Composites
2	7254	Case Study on River Pollution of Pune City and Waste Management
3	0360	Experimental Investigation of Float Glass in Rotary Ultrasonic Machining for Sustainable Manufacturing
4	0360	Experimental Investigation of Float Glass in Rotary Ultrasonic Machining for Sustainable Manufacturing
5	0360	Experimental Investigation of Float Glass in Rotary Ultrasonic Machining for Sustainable Manufacturing
6	7449	Impact of filler on mechanical and dynamic mechanical properties of waste marble dust filled aramid fibre reinforced polymer composite
7	6618	Optimization bin Flexural and Physical Behavior of Agricultural waste Reinforced Epoxy Based Polymer Composite by Taguchi Technique
8	7887	Optimization of multicomponent Machine System with Reneging
9	7239	DESIGN ANALYSIS AND FABRICATION OF SHAFT DRIVEN BICYCLE
10	3139	interrelationship modeling among the parameters for improving weld strength in TIG welding using DEMATEL software
11	9480	A Review on the Prospects of Various Gaseous Fuel as an Automotive Fuel and for Reducing Environmental Pollution
12	5478	Techno Economic analysis of insulating bricks used in educational building made by local available agricultural waste
13	7891	KEY CHALLENGES OF SUSTAINABILITY INDEX DEVELOPMENT FOR URBAN TRANSPORT SYSTEM OF JAIPUR CITY
14	647	Optimization of stone column made by waste material of local available stone in Rajasthan to help the Sustainable development: An Numerical Study
15	3438	Modern-age Agriculture with Artificial Intelligence: Emphasizing Crop Yield Prediction
16	9397	Development of Regression Equations for Stochastic Inventory System
17	1128	Sustainable Use of Solid Waste as Additives in Soil Stabilization: A State-of-Art-Review
18	1073	Identifying the customer complaints for heavy duty transformers made by small scale industries and resolve the problems using Six Sigma DMAIC method"
19	2741	Energy Management Using PTDF in a Deregulated Electricity System
20	6790	An Investigation on thermo- mechanical behaviour of injection moulded PP-compounds
21	6432	An experimental investigation of Rotary Ultrasonic Machining and Mechanical property evaluation on Hand Layup Fabricated hybrid composite
22	5036	A Smart Human Resource Approach using Artificial Intelligence with Improved Employee Satisfaction for better sustainability in Organisation
23	3262	Energy security scenarios for India under diversified demand and supply
24	6716	Industry 4.0 and Sustainability: Leveraging Community Engagement for Achieving Partnership for Common Goals
25	5043	Sustainability and reachability of Healthcare through Artificial Intelligence
26	3439	Thermal Regulation and Performance Enhancement of Solar PV Panel Using PCM OM29

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Ramnagar, Jagatpura, Jaipur-302 017, Rajasthan, India

Objective and Outcome of the event

Objective of the Conference:

- Provide a good learning platform to the students, research scholars and faculty to exchange views and share information with National and International experts who are deeply involved in research in the field of smart manufacturing for sustainable development related technologies.
- Encompasses latest research outcomes 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.
- Intends to bring together the best minds from around the world to cover literally all aspects of smart technology from a multi-disciplinary perspective.
- The scientific event will comprise of key-note talks, oral presentations, and sessions for the research outcomes in the relevant field.

Outcomes:

The conference was an initiative to provide a common platform for researchers working in the field of smart industries and manufacturing systems for sustainable development to share knowledge and ideas for technological advancements in this technical area. The participants were able to understand the need of today to combine different ideas of researchers working in different domains to develop cost- effective and reliable technology for sustainable development. This conference brought a positive transformation in the participant's attitude about their research work and get them more focused as well as result oriented. Conference provided an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of the mentioned fields.

Technical Report

A two-days International Conference on the topic "Smart Industries and Manufacturing Systems for Sustainable Development" (SIMS-2022) was organized by Department of Mechanical Engineering of Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur (India) during November 11-12, 2022 in association with ASME Student Section SKIT, SAE India Collegiate Club SKIT and e-Yantra Lab, SKIT. The conference aims to address the impact of IOT and AI on value chain support and operational challenges of Industry 4.0 on certain industries which are emerging into smart operation in terms of monitoring and controlling data. The conference targets to provide state-of-the-art development in the field of industrial and production engineering to research scholars, scientists, industry learners and postgraduates from the various domains of engineering and related fields.

The inaugural day of the conference was graced with the presence of our Chief Guest Prof. P. N. Rao, University of Northern Iowa, USA, Director Academics Prof. S. L. Surana Sir, Head of Department Mechanical Engineering, Prof. Dheeraj Joshi. Inaugural Started with Welcome address by Prof. Dheeraj Joshi. Prof. Joshi also highlighted the importance of Industry 4.0. Prof. S. L. Surana delivered a conference thematic talk on smart manufacturing and Industry 4.0. Prof. Surana shared the practices being adopted worldwide towards making industries smart and sustainable development. Dr. Manoj Kumar Sain detailed about themes of conference along with session details. Mr. Praveen Saraswat delivered a formal vote of thanks.

Prof. P. N. Rao, University of Northern Iowa, USA presented his views on how we can use

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technology of Industry 4.0 to make manufacturing smart. Prof. Rao presented an example of use of Industry 4.0 by Amazon warehouse for data management and operation.

Prof. Joy Prakash Misra, Indian Institute of Technology, Banaras Hindu University, Varanasi presented his Keynote address on Recent trends in machining processes. Day 1 of the conference also witnessed two Technical Sessions chaired by Dr. K. B. Rana, Rajasthan Technical University, Kota and Dr. Ashish Goyal, Manipal University along with Dr. Deepak Kumar and Dr. Achin Srivastav as Session Moderator.

Day 2 of the conference started with the keynote address by Prof. R. Echempati, Kettering University, USA. Prof. Echempati delivered his talk on how basic needs of Roti, Kapada and Makaan plays a key role of sustainability in our day-to-day life. Prof. Echempati very beautifully presented various sustainable practices being followed in Indian Culture towards sustainability.

Thereafter, Dr. Rajeev Agrawal, Malaviya National Institute of Technology, Jaipur delivered a talk on Role of Automation in Industries to make them smart and Increase productivity. Day 2 also witnessed technical sessions chaired by Dr. M. L. Meena, Malaviya National Institute of Technology, Jaipur and Dr. Manoj Kumar Sain., SKIT, M&G, Jaipur.

Last but not the least, I would like to acknowledge our Publication Partners. We are extremely thankful to Scopus Q2 ranked International Journal “Evergreen” for publishing a special issue for conference papers of SIMS-2022. We also acknowledge support of SKIT Research Journal which is a Multi-Disciplinary International Journal for a Special Issue for Conference Papers.

On the whole, 54 research papers were received in this conference out of which we scrutinized 25 high quality research papers for presentation in conference technical sessions.

Dr. Manoj Kumar Sain, Convener, SIMS 2022 presented a brief report of conference and Mr. Praveen Saraswat thanked all the participants and experts for the resounding success. He extended thanks to Management of SKIT for their enormous cooperation in the organization of this event. Then he thanked conference organizing secretaries, Mr. Ankit Agarwal, Mr. Dinesh Kumar Sharma, Mr. Brij Mohan Sharma, organizing committee members: Dr. Chandan Kumar, Mr. Sandeep Kumar, Mr. Naveen Kumar Sain, Ms. Namita Soni and publication committee members - Dr. Deepak Kumar, Dr. Vikash Gautam, Dr. Achin Srivastav, Dr. Prem Singh and the whole team who started rolling the wheels weeks ago.

They have shown that, faith can move mountains. It requires planning and a bird's eye for details. We have been fortunate enough to be backed by a team of very motivated and dedicated colleagues of mechanical engineering department, SKIT who know their job and are result oriented.

He emphasized that it was a life-long learning for all participants. The SIMS 2022 is proved as a great beneficial exposure for the participants as they are enlightened with the most widely used advanced tools, strategies and techniques.

---Thank You-----

List of Participants (Outside SKIT)

S. No.	Participant Name	Institute/Organization	Candidate Type
1	Prince Sharma	Lehigh University, Bethlehem, PA, USA	Research Scholar - PhD
2	Dr. P. C. Gupta	University of Kota, Kota	Faculty
3	Rahul Gupta	University of Kota, Kota	Research Scholar - PhD
4	Namrata Thorve	Pillai HOC College of Engineering and Technology, Rasayani, Maharashtra	Student (B.Tech/M.Tech)
5	Mansi Subhedar	Pillai HOC College of Engineering and Technology, Rasayani, Maharashtra	Student (B.Tech/M.Tech)
6	Mohammad Asif Iqbal	Vivekananda Global University, Jaipur	Research Scholar - PhD
7	Dhiraj Singh	Vivekananda Global University, Jaipur	Research Scholar - PhD
8	Bhuvnesh Sharma	Vivekananda Institute of Technology, Jaipur	Academicians
9	Jayanti Rout	Fakir Mohan University, Odisha	Research Scholar - PhD
10	Minati Mishra	Fakir Mohan University, Odisha	Academicians
11	Kavita	M. D. University, Rohtak	Research Scholar - PhD
12	Rajendra Singh Chhillar	M. D. University, Rohtak	Academicians
13	Utkarsh Pandey	Lovely professional University, Punjab	Research Scholar - PhD
14	Parulpreet Singh	Lovely professional University, Punjab	Professor
15	Narbada Prasad Gupta	Lovely professional University, Punjab	Professor
16	Raghvendra Singh	ECE, Kanpur	Associate Professor
17	Nishant Tripathi	Lovely professional University, Punjab	Research Scholar - PhD
18	SHARMILA B	Murugappa Polytechnic College, Chennai	Academicians
19	E. Seenthil VelMurugan	Murugappa Polytechnic College, Chennai	Academicians
20	G. Gayathri	Murugappa Polytechnic College, Chennai	Academicians
21	Kaustubh Kumar Shukla	Vinayaka Mission's Research Foundation, Salem, Tamil Nadu	Research Scholar - PhD
22	Dr. T. Muthumanicham	Vinayaka Mission's Research Foundation, Salem, Tamil Nadu	Academicians
23	Sangeeta Shekhawat	Amity University, Rajasthan	Research Scholar - PhD
24	Sudhanshu Singh	Amity University, Rajasthan	Academicians
25	Sanjay Kumar Singh	Amity University, Rajasthan	Academicians
26	Swastik Kumar Sahu	Maulana Azad National Institute of Technology, Bhopal	Student (B.Tech/M.Tech)
27	Ram Narayan Yadav	Maulana Azad National Institute of Technology, Bhopal	Academicians
28	Neha Kumari	Amity University, Rajasthan	Research Scholar - PhD

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29	Sanjay Kumar	UIET, Himachal Pradesh University, Shimla	Academicians
30	Gurjot Kaur Walia	IKG Punjab Technical University, Punjab	Research Scholar - PhD
31	Jagroop Singh Sidhu	DAVIET, Jalandhar, Punjab	
32	Sayanti Ghosh	NIT, Durgapur, WB	Research Scholar - PhD
33	Sanjay Dhar Roy	NIT, Durgapur, WB	Academicians
34	Sumit Kundu	NIT, Durgapur, WB	Academicians
35	R B R Prakash	Koneru Lakshmaiah Education Foundation, Vaddeswaram, AP	Academicians
36	V Basavayya	Koneru Lakshmaiah Education Foundation, Vaddeswaram, AP	Academicians
37	A Pandian	Koneru Lakshmaiah Education Foundation, Vaddeswaram, AP	Academicians
38	T Vijay Muni	Koneru Lakshmaiah Education Foundation, Vaddeswaram, AP	Academicians
39	Gottipati Dedeepya	Lakshmaiah Education Foundation, AP	Student (B.Tech/M.Tech)
40	S. Shanmugan	Lakshmaiah Education Foundation, AP	Academicians
41	S. Asha	Lakshmaiah Education Foundation, AP	Student (B.Tech/M.Tech)
42	B. Sanghavi	Lakshmaiah Education Foundation, AP	Academicians
43	C. Stella	Lakshmaiah Education Foundation, AP	Academicians
44	Gagandeep Singh Walia	Lovely Professional University, Phagwara	Research Scholar - PhD
45	Manwinder Singh	Lovely Professional University, Phagwara	Academicians
46	Selvakumar Ganesan		Research Scholar - PhD
47	Mr. Gangadhar Waman Bandewad	Dr. Babasageb Ambedkar Marathwada University Aurangabad, Maharashtra	Academicians
48	Sunil N Pawar	Jawaharlal Nehru Engineering college MGM University, Maharashtra	Academicians
49	Pramod B Shinde	India Meterological Department, Pune, Maharashtra	Academicians
50	Chetan Kamble	Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra	Academicians
51	Amit Chaurasia	Amity University, Rajasthan	Research Scholar - PhD
52	U K Dwivedi	Amity University, Rajasthan	Academicians
53	Ajeet Kumar	Guru Nanak Institutions Technical Campus, Hyderabad	Academicians
54	Dr. Vaishali Yadav	Manipal Univeristy Jaipur	Academicians
55	Preeti Gupta	Amity University, Mumbai	Research Scholar - PhD
56	Ashwani Kumar Yadav	Amity University, Rajasthan	Research Scholar - PhD

57	Jadhav Priti Nana	Gogate Jogalekar College, Ratnagiri, Maharashtra	Research Scholar - PhD
58	Dr. K.V. Sukhatankar	Gogate Jogalekar College, Ratnagiri, Maharashtra	Academicians
59	Dr. B.B. Dhale	Gogate Jogalekar College, Ratnagiri, Maharashtra	Academicians
60	Maram Sreerama Reddy	National Institute of Technology, TN	Student (B.Tech/M.Tech)
61	B. Nithya	National Institute of Technology, TN	Academicians
62	CH Muralikrishna	IIIT, Jabalpur	Research Scholar - PhD
63	N Suguna	VIT University, Vellore	Research Scholar - PhD
64	R Saravanakumar	Saveetha Institute of Medical and Technical Sciences, Chennai	Academicians
65	Alamelu Alias Rajashree S	Sri Ramakrishna Engineering College, Coimbatore	Academicians
66	VLN Phani Ponnappalli	Vikas College of Engineering And Technology, Nunna	Academicians
67	MKV Subbareddy	Vishnu Institute of Technology, Bhimavar	Academicians
68	Saride Jagan Mohan Rao	Ramachandra College of Engineering, Eluru	Academicians
69	Piyush C Dalsania	A.V. Parekh Technical Institute, Rajkot	Academicians
70	Sudharani Chidurala	SR University, Ananthasagar, Warangal	Academicians
71	Puneet Narayan	Govt. Engineering College, Bharatpur	Academicians
72	D Durga Prasad	Vishnu Institute of Technology, Bhimavaram	Academicians
73	C. Periasamy	MNIT, Jaipur	Academicians
74	Lava Bhargava	MNIT, Jaipur	Academicians
75	Swati Mavinkattimath	KLE Dr. M.S Sheshgiri College of Engineering and Technology, Belagavi	Academicians
76	Rajashri Khana	KLE Dr. M.S Sheshgiri College of Engineering and Technology, Belagavi	Academicians
77	Navneet Kaur	Guru Nanak Dev Engineering College, Punjab	Academicians
78	Munish Rattan	Guru Nanak Dev Engineering College, Punjab	Academicians
79	Sandeep Singh Gill	NITTTR, Chandigarh	Academicians
80	Gurpurneet Kaur	Guru Nanak Dev Engineering College, Punjab	Academicians
81	Rajvir Kaur	Guru Nanak Dev Engineering College, Punjab	Academicians

82	Seema Bagora	Shri Vaishnav Vidyapeeth Vishwavidyalavaa, Indore	Academicians
83	SATISH THADANI	Shri Vaishnav Vidyapeeth Vishwavidyalavaa, Indore	Research Scholar - PhD
84	Priyanka Jain	Arya College of Engineering & IT Jaipur	Academicians
85	Manish Jain	Jagannath University, Jaipur	Academicians
86	Kunde Santhosh	MIT Campus, Anna University, Chennai	Research Scholar - PhD
87	A. Bavithra	MIT Campus, Anna University, Chennai	Academicians
88	M. Ganesh Madhan	MIT Campus, Anna University, Chennai	Academicians
89	Farah Deebea	SSJain Subodh PG College, Jaipur	Research Scholar - PhD
90	Ankur Jain	Suresh Gyan Vihar University, Jaipur	Academicians
91	Ankit K Gupta	Agarwal PG College, Jaipur	Academicians
92	Meenal Bafna	Agarwal PG College, Jaipur	Academicians
93	Dr A.Yasmine Begum	Sree Vidyanikethan Engineering College, Tirupati	Academicians
94	M. Balaji	Sree Vidyanikethan Engineering College, Tirupati	Academicians
95	V. Satyanarayana	Sree Vidyanikethan Engineering College, Tirupati	Student (B.Tech/M.Tech)
96	SHAIK JAVID BASHA	Jawaharlal Nehru Technological University, Anantapur, AP	Research Scholar - PhD
97	P. Venkatramana	Jawaharlal Nehru Technological University, Anantapur, AP	Academicians
98	Yazusha Sharma	JECRC, Jaipur	Research Scholar - PhD
99	Vinisha Chandnani	Mody University of Science and Technology, Lakshmangarh	Student (B.Tech/M.Tech)
100	Jaspriya Gujral	Mody University of Science and Technology, Lakshmangarh	Student (B.Tech/M.Tech)
101	Samiksha Gupta	Mody University of Science and Technology, Lakshmangarh	Student (B.Tech/M.Tech)
102	Anand Sharma	Mody University of Science and Technology, Lakshmangarh	Academicians
103	Kulwant Singh	Manipal Univeristy Jaipur	Academicians
104	A. K. Singh	Manipal Univeristy Jaipur	Academicians
105	Amit Rathi	Manipal Univeristy Jaipur	Academicians
106	Ritambhara	JECRC, Jaipur	Research Scholar - PhD
107	Sandeep Vyas	JECRC, Jaipur	Academicians
108	Shashi Kant Sharma	IIIT, Ranchi, Jharkhand	Academicians
109	Renu Kumawat	Manipal Univeristy Jaipur	Academicians
110	Archana Jain	SKIT M&G, Jaipur	Student (B.Tech/M.Tech)

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111	Vivek Kumar Jain	Seth Gyaniram Bansidhar Podar College, Nawalgarh, Rajasthan	Academicians
112	Arpita Tiwari	Indore Institute of Science and Technology, Indore	Academicians
113	Mukesh Patidar	Indore Institute of Science and Technology, Indore	Academicians
114	Ankit Jain	Indore Institute of Science and Technology, Indore	Academicians
115	Nilesh Patidar	Shri Baishnav Vidyapeeth, Vishwavidyalaya, Indore	Academicians
116	Namit Gupta	Shri Baishnav Vidyapeeth, Vishwavidyalaya, Indore	Academicians
117	Sumi Kumari	Rajasthan Technical University, Kota	Research Scholar - PhD
118	Deepak Bhatia	Rajasthan Technical University, Kota	Academicians
119	Leela Santi Parige	Koneru Lakshmaiah Education Foundation,Vaddeswaram,Guntur,AP	Research Scholar - PhD
120	Vivek Bhojak	Anand International College of Engineering, Jaipur	Research Scholar - PhD
121	Amit Sharma	S.S.V. College, Hapur, UP	Academicians
122	Umesh Chand	National University of Singapore	Academicians

List of Participants (SKIT-Faculty)

S. No.	Participant Name	Department	Institute	Candidate Type	Employee Id
1	Mukesh Arora	ECE	SKIT M&G, Jaipur	Academicians	40
2	Praveen Saraswat	ME	SKIT M&G, Jaipur	Academicians	85
3	Manoj Kumar Sain	ME	SKIT M&G, Jaipur	Academicians	80
4	Manju Choudhary	ECE	SKIT M&G, Jaipur	Academicians	185
5	Pooja Choudhary	ECE	SKIT M&G, Jaipur	Academicians	762
6	Suman Sharma	ECE	SKIT M&G, Jaipur	Academicians	187
7	Shubhi Jain	ECE	SKIT M&G, Jaipur	Academicians	59
8	Harshal Nigam	ECE	SKIT M&G, Jaipur	Academicians	764
9	Jayprakash Vijay	ECE	SKIT M&G, Jaipur	Academicians	132
10	Priyanka Sharma	ECE	SKIT M&G, Jaipur	Academicians	186
11	Rukhsar Zafar	ECE	SKIT M&G, Jaipur	Academicians	147
12	Rahul Pandey	ECE	SKIT M&G, Jaipur	Academicians	809
13	Neeraj Jain	ECE	SKIT M&G, Jaipur	Academicians	183
14	Abhinandan Jain	ECE	SKIT M&G, Jaipur	Academicians	829
15	Sunil Lakhawat	ECE	SKIT M&G, Jaipur	Academicians	182
16	Lalit Kumar Lata	ECE	SKIT M&G, Jaipur	Academicians	130
17	Praveen Kr. Jain	ECE	SKIT M&G, Jaipur	Academicians	107
18	Satish Kr. Bhatnagar	ECE	SKIT M&G, Jaipur	Academicians	171
19	Rajni Idwal	ECE	SKIT M&G, Jaipur	Academicians	56
20	Pallav Rawal	ECE	SKIT M&G, Jaipur	Academicians	133
21	Gloria Jospeh	ECE	SKIT M&G, Jaipur	Academicians	151
22	Monika Mathur	ECE	SKIT M&G, Jaipur	Academicians	628
23	Kiran Rathi	ECE	SKIT M&G, Jaipur	Academicians	637
24	Vikas Pathak	ECE	SKIT M&G, Jaipur	Academicians	638
25	Ankit Agarwal	ECE	SKIT M&G, Jaipur	Academicians	682
26	Namrata Saxena	ECE	SKIT M&G, Jaipur	Academicians	798
27	Anil Kumar Verma	ECE	SKIT M&G, Jaipur	TA	227
28	Richhpal Singh Ola	ECE	SKIT M&G, Jaipur	TA	228
29	Sushama	ECE	SKIT M&G, Jaipur	TA	233
30	Sunil Kumar Acharya	ECE	SKIT M&G, Jaipur	TA	246
31	Prema Ram	ECE	SKIT M&G, Jaipur	TA	294
32	Dhurendra Singh	ECE	SKIT M&G, Jaipur	TA	1022
33	Kumari Reni	ECE	SKIT M&G, Jaipur	TA	1033
34	Ruchi Mahawar	ECE	SKIT M&G, Jaipur	TA	1037
35	Meenu Pradhan	ECE	SKIT M&G, Jaipur	TA	1038
36	Khemraj Lakhara	ECE	SKIT M&G, Jaipur	TA	1060
37	Suresh Kumar Kumawat	ECE	SKIT M&G, Jaipur	TA	1061

List of Participants (SKIT-Student)

S. No.	Participant Name	Department	Institute/Organization	Candidate Type
1	Devesh Tiwadi	ME	SKIT M&G, Jaipur	Student (M.Tech)

Screenshots of the Event



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Data analytics. Data analysts can use data from the big data warehouse to find trends and gain actionable insights.

The diagram illustrates the IoT architecture. It starts with 'Sensors, actuators and smart devices' connected to 'Gateways'. The data then flows through a 'Cloud gateway' to a 'Data lake' and a 'Big data warehouse'. From there, it goes to 'Data analytics', which then feeds into 'Control applications' and 'Machine learning'. The architecture also includes 'Web application' and 'Mobile application' components, as well as 'User business logic'. At the bottom, there are icons for 'Device administration', 'User administration', and 'Security monitoring'.

UNI University of Northern Iowa

31 +10

Dr. Deepak kumar Dr. K B Rana Praveen Saraswat Dr. Manoj Kumar... Dr. Sumit Taneja

Introduction

Possible Solutions -

- ENGINE MODIFICATION** : To counter the emissions problem, several engine modifications have been made to enhance the performance of vehicles which also minimizes the emissions of toxic gases.
- FUEL MODIFICATION** : Further fuel modifications have been done to reduce the toxic emissions. Two possible modifications have been mentioned below-
 - BLENDING WITH LIQUID ALTERNATIVE FUELS LIKE ETHANOL AND METHANOL** : Gasoline fuels are being blended with some amounts of alternate fuels like ethanol, methanol and others to enhance engine performance and reduce emissions.
 - SHIFTING TO GASEOUS FUELS** : Other than blending, alternate fuels are now being used in vehicles like NG, CNG, LPG, LNG, PNG, Hydrogen and several others.

The developed nations previously switched to gas stations instead of gasoline ones three to four decades ago. There are currently measures in place to reduce hazardous emissions. Future fuel utilization must be considered to include the use of gaseous fuels.

13-11-2022 SIMS-2022 5

+8

Sample Copy of Certificate

Participation Certificate



International Conference

On

Smart Industries and Manufacturing Systems
for Sustainable Development
SIMS-2022 (Virtual mode)



Certificate of Participation

This is to certify that *Prof. Ankit Agarwal* of *Swami Keshvanand Institute of Technology, Management & Gramothan* has attended International Conference on "Smart Industries and Manufacturing Systems for Sustainable Development" held from 11/11/2022 to 12/11/2022 organised by Department of Mechanical Engineering, **Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur**

Prof. Dheeraj Joshi
Principal Coordinator

Dr. Manoj Kr Sain
Convenor

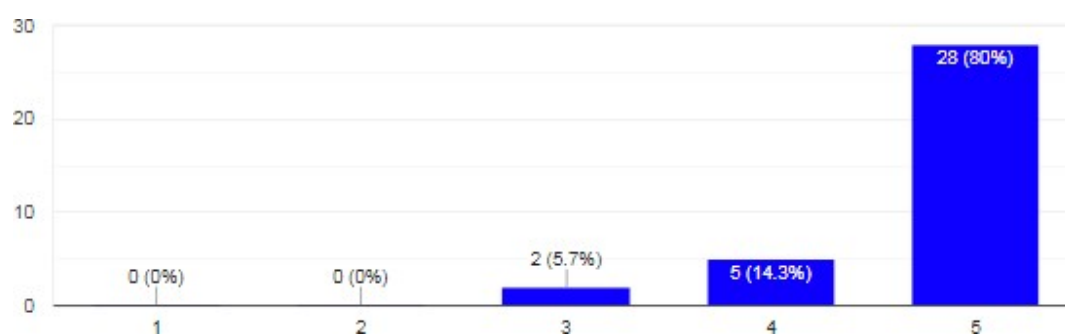
Mr. Praveen Saraswat
Convenor

Prof. S. L. Surana
Director (Academics)

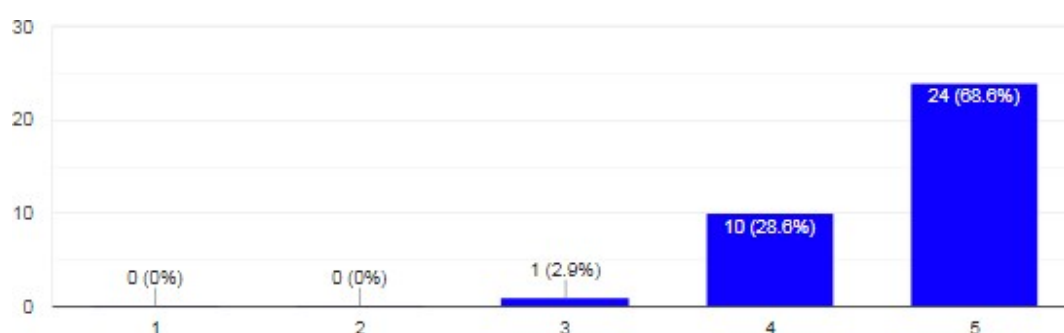
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Feedback report

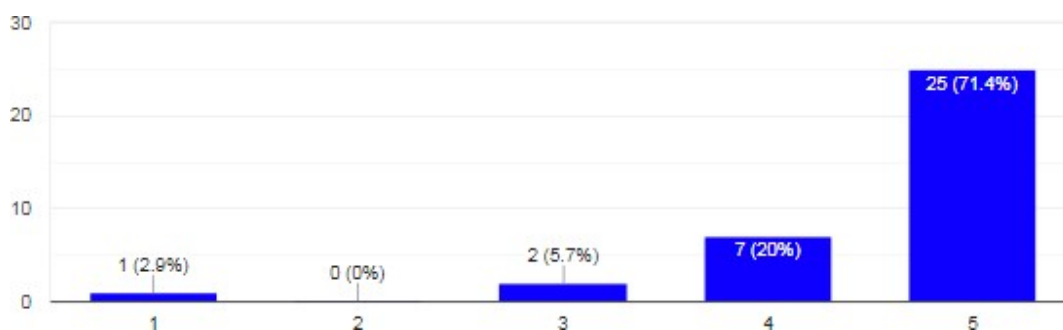
1. Your experience about the International Conference.



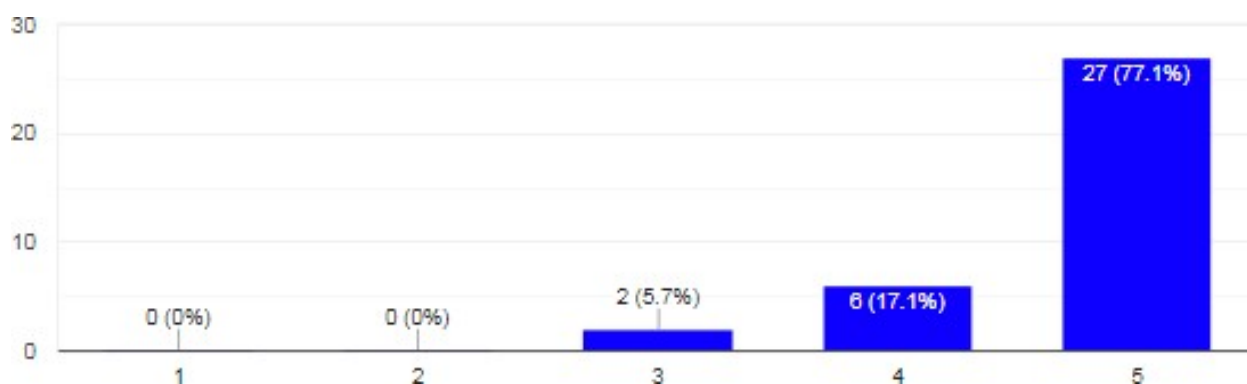
2. Overall, how do you rate the program you attended in terms of usefulness and effectiveness?



3. How do you rate the content of the Conference?



4. About speakers of Conference



5. Knowledge gained by the conference

good

How to do next level of my work related to Research

new research work in materials technology

Very knowledgeable and well systematic

Different research areas

Motivate to research more.

Invited talks given by experts

Various other multidisciplinary application of nano-Science is exposed.

Recent Advancements in the domain

6. Topic that can be covered in the next conference?

Ternary Logic, GNR/FET, CNT/FET, On-chip Interconnects, and Through Silicon Vias

MVL logics

Nano Antennas

Automation

VLSI signal processing

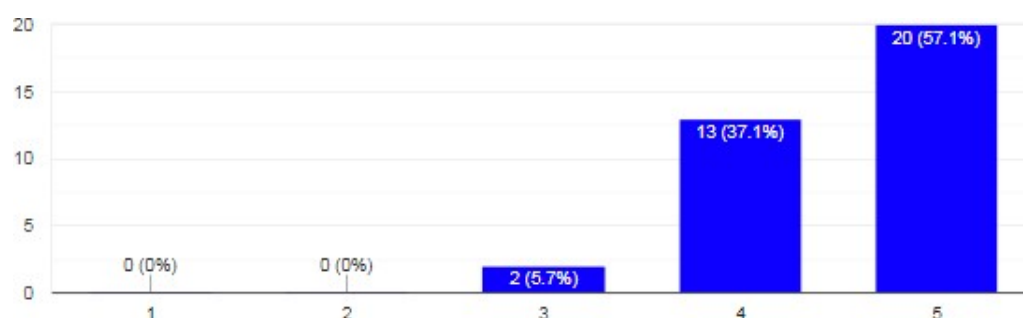
Application of nano Technology in Communication System

IoT and Machine Learning

Nano Electronics

Solar Energy

7. Relevancy of topics



8. How do you plan to share the gained knowledge/skill with your colleagues who did not attend the program?

I will communicate the material proceedings of my paper and ask them to submit for next conference

We can use it in our research work

By conducting internal fdp

Give them a seminar

good

By sharing the details of conference

I can share my experience how the lectures are go a head and how the participants gave their presentations which topics the presentations are take place

By telling them

9. The most liked Session is:

1st day session
Umesh sir
2nd day session-2
Umesh chand
Dr. Tawfik Ismail
Speaker
Invited Talk Dr. Ankit Goel
Session 2 of day 2
Dr Umesh CHand, Singapore

10. Suggestions

offline conference
Excellent conference
excellent
Organize an international conference based on cyber security
share the ppt and contact details of all speakers at my mail id viveksec@gmail.com
Organise in future such conference as well
Very good conference in future i want to join this conference in offline mode

Media Coverage

खबरों की दुनिया
एक नजर

स्मार्ट इंडस्ट्रीज एंड मैनुफैक्चरिंग सिस्टम्स फॉर सस्टेनेबल डेवलपमेंट पर दो दिवसीय इंटरनेशनल कांफ्रेंस का शुभारम्भ



खबरों की दुनिया

जयपुर। स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी मैनेजमेंट एंड ग्रामोत्थान (एसकेआईटी) रामनगरिया, जगतपुरा, जयपुर में शुक्रवार, 11, नवंबर 2022 को मैकेनिकल इंजीनियरिंग डिपार्टमेंट के द्वारा ऑनलाइन प्लेटफार्म पर दो दिवसीय इंटरनेशनल कांफ्रेंस का शुभारम्भ हुआ। इस कार्यक्रम के मुख्य अतिथि प्रो. पी एन राव (यूनिवर्सिटी ऑफ नॉर्थेन आयोवा, युएसए) थे। इस अवसर पर प्रो. धीरज जोशी, विभागाध्यक्ष (मैकेनिकल इंजीनियरिंग) एसकेआईटी, जयपुर ने सभी आगंतुकों का स्वागत किया और स्मार्ट इंडस्ट्रीज एंड मैनुफैक्चरिंग सिस्टम्स के लाभ एवं उसके चुनौतियों पर प्रकाश डाला। प्रो. एस एल सुराणा, डायरेक्टर (अकादमिक) एसकेआईटी, ने स्मार्ट इंडस्ट्रीज के लिए आईओएटी और ऐआई तकनीक पर चर्चा की। कांफ्रेंस के कन्वेनर, डॉ. मनोज कुमार सैन (एसोसिएट प्रोफेसर, मैकेनिकल इंजीनियरिंग डिपार्टमेंट) ने इस कांफ्रेंस की उपयोगिता को समझाते हुए स्मार्ट इंडस्ट्रीज फॉर सस्टेनेबल डेवलपमेंट के भविष्य पर चर्चा की। अंत में मैकेनिकल इंजीनियरिंग डिपार्टमेंट के फैकल्टी प्रवीण सारस्वत ने धन्यवाद ज्ञापित किया।

इस कांफ्रेंस के पहले दिन दो एक्सपर्ट लेकर हुए तथा दो सत्रों में प्रतिभागियों द्वारा रिसर्च पेपर प्रेजेंट किये गए। पहले सत्र में प्रो. पी एन राव (यूनिवर्सिटी ऑफ नॉर्थेन आयोवा, युएसए) ने स्मार्ट मैनुफैक्चरिंग एंड इंडस्ट्री 4.0 के भविष्य पर विस्तृत चर्चा की। दूसरे सत्र में प्रो. जॉय प्रकाश मिश्रा (आई आई टी, बीएचयू) ने रीसेंट ट्रेड्स इन एडवांस्ड मशीनिंग प्रोसेस पर विस्तृत चर्चा की।

स्मार्ट इंडस्ट्रीज एंड मैनुफैक्चरिंग सिस्टम्स फॉर सस्टेनेबल डेवलपमेंट पर दो दिवसीय इंटरनेशनल कांफ्रेंस का शुभारम्भ

P3 Police Public Politics

जयपुर । स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी मैनेजमेंट एंड ग्रामोत्थान (एसकेआईटी) रामनगरिया, जगतपुरा,

जयपुर में शुक्रवार, 11, नवंबर 2022 को मैकेनिकल इंजीनियरिंग डिपार्टमेंट के द्वारा ऑनलाइन प्लेटफार्म पर दो दिवसीय इंटरनेशनल कांफ्रेंस का शुभारम्भ हुआ। इस कार्यक्रम के मुख्य अतिथि प्रो. पी एन राव (यूनिवर्सिटी ऑफ नॉर्थेन आयोवा, युएसए) थे। इस अवसर पर प्रो. धीरज जोशी,

विभागाध्यक्ष (मैकेनिकल इंजीनियरिंग) एसकेआईटी, जयपुर ने सभी आगंतुकों का स्वागत किया और स्मार्ट इंडस्ट्रीज एंड मैनुफैक्चरिंग सिस्टम्स के लाभ एवं उसके चुनौतियों पर प्रकाश डाला। प्रो. एस एल सुराणा, डायरेक्टर (अकादमिक) एसकेआईटी, ने स्मार्ट इंडस्ट्रीज के लिए आईओएटी और ऐआई तकनीक पर चर्चा की। कांफ्रेंस के कन्वेनर, डॉ. मनोज कुमार सैन (एसोसिएट प्रोफेसर, मैकेनिकल इंजीनियरिंग डिपार्टमेंट) ने इस कांफ्रेंस की उपयोगिता को समझाते हुए

स्मार्ट इंडस्ट्रीज फॉर सस्टेनेबल डेवलपमेंट के भविष्य पर चर्चा की। अंत में मैकेनिकल इंजीनियरिंग डिपार्टमेंट के फैकल्टी प्रवीण सारस्वत ने धन्यवाद



ज्ञापित किया।

इस कांफ्रेंस के पहले दिन दो एक्सपर्ट लेकर हुए तथा दो सत्रों में प्रतिभागियों द्वारा रिसर्च पेपर प्रेजेंट किये गए। पहले सत्र में प्रो. पी एन राव (यूनिवर्सिटी ऑफ नॉर्थेन आयोवा, युएसए) ने स्मार्ट मैनुफैक्चरिंग एंड इंडस्ट्री 4.0 के भविष्य पर विस्तृत चर्चा की। दूसरे सत्र में प्रो. जॉय प्रकाश मिश्रा (आई आई टी, बीएचयू) ने रीसेंट ट्रेड्स इन एडवांस्ड मशीनिंग प्रोसेस पर विस्तृत चर्चा की।