



PROJECT COMPLETION REPORT

OF

4TH INTERNATIONAL CONFERENCE

ON

SUSTAINABLE AND INNOVATIVE SOLUTIONS FOR CURRENT CHALLENGES IN ENGINEERING & TECHNOLOGY (ICSISCET - 2022)

19-20 NOVEMBER 2022

ORGANIZED BY

**MADHAV INSTITUTE OF TECHNOLOGY &
SCIENCE, GWALIOR**

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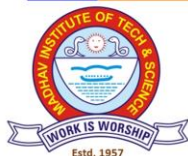


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PREFACE

The concept of sustainability is central to all development; the term becomes more relevant by each passing day as the very existence of life on this planet is endangered due to the continuous and mindless exploitation of nature and natural resources due to population explosion, economic growth, infrastructure development, lifestyle changes and many other such factors.

There is an urgent need to develop technologies that are sustainable. There is a need for experts from different domains to join hands, come together and create models and systems which are able to produce sustainable solutions to current and emerging problems for the benefit of the society. Innovations and advancements which have taken place in intelligent computing paradigm over the last few decades have provided smart solutions for almost all kinds of societal problems. Therefore, the focus of this conference is towards interdisciplinary applications of Intelligent & sustainable computing.

Most practical real world problems are usually ill defined, noisy, uncertain and complex which make them difficult to solve using traditional computational techniques and algorithms. Computational intelligence based techniques are found to deal with real problems and situations very effectively due to their model free structure, learning ability and a flexible approach. The interdisciplinary applicability of this paradigm makes it very attractive to researchers.

Right from infrastructure management to data mining, ICT, pattern recognition, image & video processing, healthcare informatics, bioinformatics, renewable energy pricing, scheduling and dispatch, internet of things, big data analysis, real-time operating systems, smart homes and devices, electric vehicles, computer integrated manufacturing, biomedical engineering etc. are domains where machine learning techniques and computational intelligence are extensively being used for designing, developing, manufacturing, controlling, analyzing and optimizing diverse engineering systems and processes.

Technology is progressing at a very fast pace, which is putting a great burden on natural resources, creating heavy damage to the environment. The price of development is being paid in the form of climate change, hazardous pollution levels and degradation of the environment, which is endangering the very existence of life of the planet earth. There is a need for technocrats, academicians, researchers and all other stakeholders to come together and deliberate on this issue and try to find intelligent solutions to the problem.

Scientific discoveries and technological innovations taking place for fulfilling the requirements of the power and energy sector, manufacturing sector, transportation, industrial



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automation, waste disposal etc. now must pointedly focus on the ecological footprint. **Madhav Institute of technology & Science, Gwalior is committed to this theme and therefore this is the 4th international conference being organized in this series.**

The first AICTE sponsored ICSISCET-2019 was conducted two year ago on 02-03 November 2019. Over 148 papers were received, 88 papers were accepted after rigorous review for presentation under 10 tracks; 16 sessions were conducted; 10 expert sessions were conducted; 24 experts contributed as sessions chairs and over 100 faculty & scholars participated. **As an environment friendly initiative and the sustainability theme, the best practice of giving e-certificates was started in the institute.** The conference proceeding with 51 papers was published by Springer {Proceedings in Adaptation Learning & Optimization (PALO) series} entitled **“Intelligent Computing Applications for Sustainable Real-World Applications”**. One edited volume was also published with 09 papers selected in the domain **“Nature Inspired Optimization for Electrical Power System ”** by Springer series ‘Algorithms for Intelligent Systems’ (AIS). Both these books have been well received by the researchers and show more than 5600 & 1500 downloads respectively (within six months of publication) till this report is being compiled.

The second AICTE sponsored ICSISCET 2020 was conducted last year on December 18-19, 2020. Over 102 papers were received; 69 papers were accepted after rigorous review for presentation under 4 tracks; 46 were selected for publication; 08 expert sessions were conducted; Six paper presentation sessions were; 18 experts contributed as sessions chairs. The conference proceedings was published in Algorithms for Intelligent systems (AIS) Springer Book Series, entitled **“Artificial Intelligence and Sustainable Computing - Proceedings of ICSISCET 2020”**. (<https://www.springer.com/series/16171>).

The 3rd ICSISCET 2021 was organized successfully by **Madhav Institute of technology & Science, Gwalior**. In the 3rd ICSISCET 2021, over 267 papers were received, 112 papers were accepted after rigorous review for presentation under 4 tracks, 72 papers were published in Springer book series and 26 papers were published in SBS. Total 91 papers were presented in 15 different technical sessions in which 22 experts contributed as sessions chairs.

In continuation of the above mentioned series, the 4th ICSISCET 2022 has been organized successfully by Madhav Institute of Technology & Science, Gwalior. The 4th ICSISCET 2022 aims to bring the researchers, academicians, industry, and government personnel together to share and discuss the various aspects of sustainable and innovative solutions for current challenges in engineering & technology.



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In this 4th ICSISCET 2022, total 250 were papers received from 16 number of countries, including Algeria, Bulgaria, Canada, Ghana, India, Japan, Kenya, Malaysia, Oman, Senegal, Serbia, Slovakia, South Africa, Spain, Sri Lanka, United Arab Emirates. A total of 60 papers were accepted and registered for presentation in this conference.



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ACKNOWLEDGEMENT

The General Chairs and Organizing Chair of the 3rd International Conference on “Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology” gratefully acknowledge technical support from Soft Computing Research Society, New Delhi.

The conference chief patron Prof. K. K. Aggarwal, Chairman NBA, and patron Prof. R.K. Pandit, Director, MITS were the guiding force behind the conference. Prof. K. K. Aggarwal also kindly accepted to deliver the keynote address, for which the organizers are eternally indebted.

Dr. Snehanshu Saha, Associate Professor of Computer Science and Head of the Anuradha and Prashanth Palakurthi Centre for Artificial Intelligence Research (APPCAIR), BITS Pilani K K Birla Goa Campus and Dr. Satyasai Jagannath Nanda, Assistant Professor in the Department of Electronics and Communication Engineering, Malaviya National Institute of Technology, Jaipur, Rajasthan deserve a special mention for sparing their valuable time for delivering the Keynote talks.

Dr. Jagdish Chandra Bansal, Series editor, Algorithms for Intelligent Systems (AIS), Mr. Aninda Bose, Executive Editor and Mr. Mani Arasan, Project Coordinator, Springer Nature, deserves special thanks for helping the organizers in publishing the proceedings.

The support from Dr. Jagdish Chandra Bansal, Dr. Mukesh Saraswat and Dr. Harish Sharma, from the Soft Computing Research Society, New Delhi, right from paper review stage to the smooth conduction of the conference on 19th & 20th November, 2022 is gratefully acknowledged.

Thanks are also due to all the esteemed reviewers for their time and significant contribution in maintaining the quality of the papers.

The contribution of internal and external experts as session chairs and the session support teams during the two days was crucial for the effective conduction of the conference. They played a key role in conference conduction by giving valuable comments for improving the quality of the paper and by ensuring that all reviewer comments were incorporated into the revised papers, before publication. The organizers are grateful for their support and efforts in conference conduction.

During the COVID times, organizing an International conference in virtual mode was quite challenging. The hard work and efforts of the Conference Core Team are sincerely acknowledged. The members of the Conference Core Team have worked relentlessly and have left no stone unturned to make the e-conference a reality.

Thanks are also due to media persons, guests, authors and all those who have directly or indirectly contributed in organizing and conducting this conference.



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Organizing Team - ICSISCET 2022



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OBJECTIVES OF THE CONFERENCE

Technology is progressing at a very fast pace which is putting great burden on natural resources, creating heavy damage to environment. The price of development is being paid in the form of climate change, hazardous pollution levels and degradation of environment, which is endangering the very existence of life of the planet earth. There is a need for technocrats, academicians, researchers and all other stakeholders to come together and deliberate on this issue and try to find engineering solutions to the problem. This is the time when new innovations, start-ups and novel ideas are needed to address the ecological problems created by industrial and other ventures. Alternate solutions are urgently needed to handle the crisis created by the previous technological set up.

There is a need for professionals from Electrical Engineering, Electronics and Communication Engineering, Mechanical & Automobile Engineering, Computer Science, Information Technology, Energy Studies and mathematicians to come together and collaborate for generating sustainable solutions for maintaining the growth of economy without damaging the environment.

There is an urgent need to develop technologies that are sustainable. The idea is to unite experts from different domains to join hands and create models and systems which are able to produce sustainable solutions to current and emerging problems for the benefit of the society. Innovations and advancements which have taken place in intelligent computing paradigm over the last few decades have provided smart solutions for almost all kinds of societal problems. Therefore, the focus of this conference is towards interdisciplinary applications of Intelligent & sustainable computing.

The conference aims to bring together researchers, technocrats, academicians and industrialists on a common platform to deliberate on various issues arising in this scenario.



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CONFERENCE TRACKS

SUSTAINABLE COMPUTING AND INFORMATION TECHNOLOGY

Information security, natural language processing, language technologies and information retrieval, computer systems organization and communication networks, information systems and communication service, software engineering and operating systems, management of computing and information systems green IT, eco-friendly materials, cloud & grid computing, re-cycling and disposal of e-waste, environmental footprint, awareness drive, energy-efficient data center design, telecommuting, mobile computing, application security.

COMPUTATIONAL INTELLIGENCE & MACHINE LEARNING

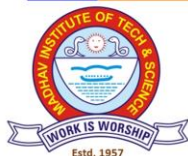
Optimization techniques, system modeling and simulation fuzzy system, evolutionary computational methods, artificial neural network, Bayesian learning, hybrid intelligent systems, soft computing, smart computing, big-data, data mining, signal, image and video processing, robotics & computer vision, peer-to-peer computing.

EMBEDDED SYSTEMS & VLSI DESIGN

Embedded architectures, software and hardware, embedded cybersecurity and cryptography, real-time operating systems, microcontrollers and applications, embedded machine learning, deep learning and artificial intelligence Internet of things (IoT), sensors, computing, control, communication, IoT applications, medical electronics, blockchain technology, drones, smart homes and devices, role of electronics in efficiency enhancement, automotive and industrial applications, automation & control, system on chip (SOC) & semiconductor technology.

ADVANCES IN INTELLIGENT COMPUTING, SUSTAINABLE ENGINEERING SYSTEMS, AND PRACTICES

Ambient intelligence, computational neuroscience, artificial life, virtual worlds and society, cognitive science and systems, self-organizing and adaptive systems, e-learning and teaching, recommender systems, knowledge-based paradigms, Smart Engineering Solutions for waste management, sustainable architecture, data analytics, AI in industry, optimization techniques smart grid technologies, communication, control, power electronics, energy storage, demand control and response.



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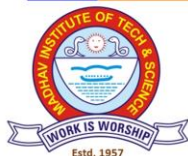
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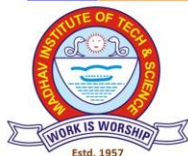
19-20 November, 2022



MINUTE-TO-MINUTE PROGRAM OF OPENING CEREMONY

(19th November 2022)

Time (IST)	Event	Duration (Min)
10:45 AM	Invocation	15
11:00 AM	Saraswati Vandana	02
11:02 AM	Welcome Address by Prof. Manjaree Pandit, Dean Academics, MITS, Gwalior & General Chair, ICSISCET - 2022	08
11:10 AM	Address by Dr. Jagdish Chand Bansal, General Secretary, SCRS	05
11:15 AM	Address by Prof. R. K. Pandit, Director, MITS, Gwalior & Patron, ICSISCET - 2022	05
11:20 AM	Address by Er. Ramesh Agrawal, Secretary, Scindia Engineering College Society, Gwalior	05
11:25 AM	Address by Prof. S. N Singh, Guest of Honor Director ABV- IITM Gwalior, India	10
11:35 AM	Inaugural Address by Prof. K. K. Aggarwal, Chief Guest and Chairman, NBA and Founder Vice Chancellor, GGS Indraprastha University, India	15
11:50 AM	Vote of Thanks	05
11:55 AM	High Tea	—



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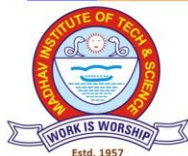
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CONFERENCE SCHEDULE

November 19, 2022

OC	Opening Ceremony	11:00 – 12:00
K1	Keynote Talk Speaker: Dr. Snehanshu Saha, Birla Institute of Technology and Science, Pilani K K Birla Goa Campus, Goa, India	12:00 – 12:45
TS 01	Sustainable Computing and Information Technology (on Google Meet)	14:00 – 15:30 (Indian Standard Time)
TS 02	Computational Intelligence & Machine learning (on Google Meet)	14:00 – 15:30 (Indian Standard Time)
TS 03	Embedded Systems & VLSI Design (on Google Meet)	14:00 – 15:30 (Indian Standard Time)
TS 04	Advances in Intelligent Computing, Sustainable Engineering Systems, and Practices (on Google Meet)	14:00 – 15:30 (Indian Standard Time)
TS 05	Sustainable Computing and Information Technology (on Google Meet)	14:00 – 15:30 (Indian Standard Time)
TS 06	Computational Intelligence & Machine learning (on Google Meet)	14:00 – 15:30 (Indian Standard Time)



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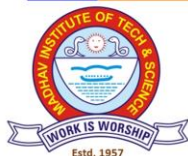
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November 20, 2022

K2	<p>Keynote Talk</p> <p>Speaker: Dr. Satyasai Jagannath Nanda Senior Member IEEE, Department of Electronics and Communication Engineering, MNIT Jaipur</p>	11:00 – 11:45
TS 07	Embedded Systems & VLSI Design (on Google Meet)	12:30 – 14:00 (Indian Standard Time)
TS 08	Advances in Intelligent Computing, Sustainable Engineering Systems, and Practices (on Google Meet)	12:30 – 14:00 (Indian Standard Time)
TS 09	Computational Intelligence & Machine learning (on Google Meet)	12:30 – 14:00 (Indian Standard Time)
TS 10	Advances in Intelligent Computing, Sustainable Engineering Systems, and Practices (on Google Meet)	12:30 – 14:00 (Indian Standard Time)
TS 11	Computational Intelligence & Machine learning (on Google Meet)	12:30 – 14:00 (Indian Standard Time)



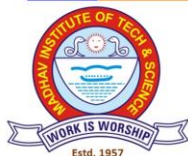
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DETAILS OF TECHNICAL SESSIONS

Paper ID	Authors	Paper Title	Session No.	Session Chair 1	Session Chair 2	Session Chair 3	Session Coordinators
36	Gowri R Choudhary and Iti Sharma	Text Visualization of Entire Corpus through Single document Input Tools	TS 01	Dr. Manish Dixit	Dr. Arvind Jain	Dr. Amit Kumar	Priyanka Gupta, Rahul Jha
117	Maninder Singh, Vikram Singh and Sangeeta Rani	Security Enhancement of Data Mining Over Cloud	TS 01	Dr. Manish Dixit	Dr. Arvind Jain	Dr. Amit Kumar	Priyanka Gupta, Rahul Jha
152	Yejvander Thakur and Geetesh Goga	“Rejuvenation with Modernization of Hydrogenator”; Prediction and Control of Electromagnetic vibration with Artificial, development of Stator Frame design, Artificial Intelligence -A Review Study	TS 01	Dr. Manish Dixit	Dr. Arvind Jain	Dr. Amit Kumar	Priyanka Gupta, Rahul Jha
179	Karthika L and Gunasundari S	An Efficient Approach To Estimate Software Cost By Analogy Using ACO	TS 01	Dr. Manish Dixit	Dr. Arvind Jain	Dr. Amit Kumar	Priyanka Gupta, Rahul Jha
187	Aarush Mahajan and Reetu Jain	Data Analysis to Understand the Causes of Global Warming and Application of Soft Computing Techniques to Develop its Forecasting Model	TS 01	Dr. Manish Dixit	Dr. Arvind Jain	Dr. Amit Kumar	Priyanka Gupta, Rahul Jha
195	Dev Dalmia, Reetu Jain and Syed Abou Iltaf Hussain	Intelligent System for Real-Time Potholes Monitoring and Detection	TS 01	Dr. Manish Dixit	Dr. Arvind Jain	Dr. Amit Kumar	Priyanka Gupta, Rahul Jha
250	Jayanthan M, Arunkumar M and Durai Stalin K	Tinnitus Detection and Diagnosis With EMG Data Sharing System For Humans	TS 01	Dr. Manish Dixit	Dr. Arvind Jain	Dr. Amit Kumar	Priyanka Gupta, Rahul Jha
24	Shraddha Jain Sharma and Ratnalata Gupta	Recent developments in the application of deep learning to stock market prediction	TS 02	Dr. Vivek Shrivastava	Dr. Yashwant Sawle	Dr. Deepak Batham	Poonam Singh, Shyamveer Singh Chauhan
25	Loganayaki Thangaraj and Dr.Poongothai M	Tomato Foliage disease recognition using Random Forest and Convolutional Neural Networks	TS 02	Dr. Vivek Shrivastava	Dr. Yashwant Sawle	Dr. Deepak Batham	Poonam Singh, Shyamveer Singh Chauhan



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30	Barkha Joshi and Hetal Bhavsar	Lycopersicon Crop Leaf Disease Identification using Deep Learning	TS 02	Dr. Vivek Shrivastava	Dr. Yashwant Sawle	Dr. Deepak Batham	Poonam Singh, Shyamveer Singh Chauhan
47	Savia Singla and Harpreet Kaur	Machine learning algorithms to forecast a heart disease	TS 02	Dr. Vivek Shrivastava	Dr. Yashwant Sawle	Dr. Deepak Batham	Poonam Singh, Shyamveer Singh Chauhan
103	Ranichitra A and Mercy Rani A	Impact of Online Classes Using Machine Learning Algorithms: Estimation, Classification, and Prediction	TS 02	Dr. Vivek Shrivastava	Dr. Yashwant Sawle	Dr. Deepak Batham	Poonam Singh, Shyamveer Singh Chauhan
107	Gayatri Pandi and Kedar Agrawal	Deep Learning Based 3 D Model for CULTURAL Heritage site in Gujarat	TS 02	Dr. Vivek Shrivastava	Dr. Yashwant Sawle	Dr. Deepak Batham	Poonam Singh, Shyamveer Singh Chauhan
97	Prasad Chillakuru and Kullayamma Dr.I	Features Extraction and Analysis of Electro-Myogram Signals using Time, Frequency, and Wavelet Transform Methods	TS 03	Dr. Pradyumn Chaturvedi	Dr. Varun Sharma	Prof. Ramasubramanian B	Vinay Kumar Tatekayala, Shubham Sharma
198	Md. Afroz and Birendra Goswami	An Analysis of Safe IoT Integration with Cloud Computing	TS 03	Dr. Pradyumn Chaturvedi	Dr. Varun Sharma	Prof. Ramasubramanian B	Vinay Kumar Tatekayala, Shubham Sharma
207	Arifa Sultana, Aroop Bardalai and Kandarpa Kumar Sarma	Attention Neural Network based Channel Selection Algorithm for Cognitive Decision Making and Control in Smart Grid	TS 03	Dr. Pradyumn Chaturvedi	Dr. Varun Sharma	Prof. Ramasubramanian B	Vinay Kumar Tatekayala, Shubham Sharma
212	Anees Fathima Bashir, M P Flower Queen, Tarig Faisal and Ranjeet Ranjan	A Tool for Processing IoT-Sensor Measurement with a Moving Horizon Filter Approach	TS 03	Dr. Pradyumn Chaturvedi	Dr. Varun Sharma	Prof. Ramasubramanian B	Vinay Kumar Tatekayala, Shubham Sharma
229	Dinesh Bhojar and Swati Mohod	Design and Development of Multipurpose Low Cost AIR Cooler	TS 03	Dr. Pradyumn Chaturvedi	Dr. Varun Sharma	Prof. Ramasubramanian B	Vinay Kumar Tatekayala, Shubham Sharma
18	Hemant Gupta and Yogendra Kumar	Facts Devices with Distinctive Positioning for Voltage Regulation	TS 04	Dr. Arun Kumar Wadhvani	Dr. Laxmi Shrivastava	Dr. Ankur Goyal	Kamal Sharma), Amit Shrivastava



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76	Vibhor Vishal Soni, Sneha Shukla, Somya Saxena and Shivam Gupta	Model Order Reduction using Pole Clustering and Factor Division Method	TS 04	Dr. Arun Kumar Wadhvani	Dr. Laxmi Shrivastava	Dr. Ankur Goyal	Kamal Sharma, Amit Shrivastava
110	Vishal Choudhary and Reena Sharma	Efficient Cluster Key Management Scheme for Wireless Sensor Networks	TS 04	Dr. Arun Kumar Wadhvani	Dr. Laxmi Shrivastava	Dr. Ankur Goyal	Kamal Sharma, Amit Shrivastava
112	Norliana Mohd Najib and Lazim Abdullah	Application of a Fuzzy Decision-Making Method to Identify Cause-Effect Criteria of Wastewater Treatment Systems	TS 04	Dr. Arun Kumar Wadhvani	Dr. Laxmi Shrivastava	Dr. Ankur Goyal	Kamal Sharma, Amit Shrivastava
113	P A Devaraj, R Sudarshan, Dr Ravish B, Mr Chetan Kumar M and Ms Bharathi S	Smart Water Management System for Jal Jeevan Mission	TS 04	Dr. Arun Kumar Wadhvani	Dr. Laxmi Shrivastava	Dr. Ankur Goyal	Kamal Sharma, Amit Shrivastava
201	Sumitra Biswal	Mitigating Trade-Off between Explainability and Confidentiality in Artificial Intelligence.	TS 05	Dr. Rakesh Singh Jadon	Dr. Anshu Chaturvedi	Dr. S.V. Vasantha	Vimal Tiwari, Deepak
210	Sara Khan and Saurabh Pal	Web Based User Interface Testing and Test Automation: Exploring the Current Market Challenges	TS 05	Dr. Rakesh Singh Jadon	Dr. Anshu Chaturvedi	Dr. S.V. Vasantha	Vimal Tiwari, Deepak
217	Subha J and Saudia S	Robust Flood Prediction Approaches Using Exponential Smoothing and ARIMA Models	TS 05	Dr. Rakesh Singh Jadon	Dr. Anshu Chaturvedi	Dr. S.V. Vasantha	Vimal Tiwari, Deepak
227	Kumarsagar Dange and B.Srinivasa Varma	A Comprehensive Review on Agriculture Based Pesticide Spraying Robot	TS 05	Dr. Rakesh Singh Jadon	Dr. Anshu Chaturvedi	Dr. S.V. Vasantha	Vimal Tiwari, Deepak
232	Uma Shankar Yadav, Mano Ashish Tripathi and Dr Ravindra Tripathi	Digital and Innovative Suggestions for the Solution of a Sustainable and Smart city in India	TS 05	Dr. Rakesh Singh Jadon	Dr. Anshu Chaturvedi	Dr. S.V. Vasantha	Vimal Tiwari, Deepak



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234	Rajesh Thakare, Swati Mohod and Dinesh Bhojar	Classification of Brain MRI Images	TS 05	Dr. Rakesh Singh Jadon	Dr. Anshu Chaturvedi	Dr. S.V. Vasantha	Vimal Tiwari, Deepak
239	Shwethal Trikanad and Noel Pereira	PDLW-Net: Novel Object Detection Variant of Vision Transformers in the Localization of Periodontal Ligament Widening	TS 05	Dr. Rakesh Singh Jadon	Dr. Anshu Chaturvedi	Dr. S.V. Vasantha	Vimal Tiwari, Deepak
128	Priyanka Jangde and Manoj Ramaiya	Transfer Learning Approach to Detect and Predict the Malaria from Blood Cell Images	TS 06	Dr. Chandra Shekhar Malvi	Dr. Sandeep Sharma	Dr. Puja Shashi	Shubham Chitransh, Jay Singh
137	Jithendra Bojedla, Dileep Kumar Boyapati, Siddaiah Upputuri, Akshitha Gali and Sangeetha Yalamanchili	Lung Cancer Prediction using Machine Learning	TS 06	Dr. Chandra Shekhar Malvi	Dr. Sandeep Sharma	Dr. Puja Shashi	Shubham Chitransh, Jay Singh
138	Nakul Singh and Sandeep Kumar Parashar	Recent developments in Generative Adversarial Networks	TS 06	Dr. Chandra Shekhar Malvi	Dr. Sandeep Sharma	Dr. Puja Shashi	Shubham Chitransh, Jay Singh
141	Dr. Ch Hussaian Basha, Dr. Prajakta J. Shinde, Dr. V. Prashanth, Dr. Shaik. Rafi Kiran and Dr. Shweta S. Patil	Performance Analysis of Satellite Image Classification Using Deep Learning Neural Network	TS 06	Dr. Chandra Shekhar Malvi	Dr. Sandeep Sharma	Dr. Puja Shashi	Shubham Chitransh, Jay Singh
144	Sindhu Gutta	The Recital of Fastest Recognition of Band sensed by Using Machine learning Technique	TS 06	Dr. Chandra Shekhar Malvi	Dr. Sandeep Sharma	Dr. Puja Shashi	Shubham Chitransh, Jay Singh
161	Etikala Raja Vikram Reddy and Sushil Thale	Pedestrian Detection Using YOLOv5 and Complete IoU Loss for Autonomous Driving Applications	TS 06	Dr. Chandra Shekhar Malvi	Dr. Sandeep Sharma	Dr. Puja Shashi	Shubham Chitransh, Jay Singh
231	Dinesh Bhojar and Diksha Ninave	Dual-band Patch Antenna with Four-slot Structure for 5G Wireless Applications	TS 07	Dr. Pramod Kumar Singhal	Dr. Dinesh Kumar Rathore	Dr. Deepika Pantola	Shubham Sharma, Priyanka Gupta, Narendra Verma
233	Rajesh Thakare, Kishore Kulat and Dinesh Bhojar	Advancement Of Short Range Wireless Communication System For Recent And Future Applications	TS 07	Dr. Pramod Kumar Singhal	Dr. Dinesh Kumar Rathore	Dr. Deepika Pantola	Shubham Sharma, Priyanka Gupta, Narendra Verma



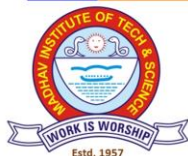
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240	Dimple, Anurag, Vinod Kumar and Gaurav Purohit	GUI based NAND Flash memory and functional implementation of Block level address translation scheme	TS 07	Dr. Pramod Kumar Singhal	Dr. Dinesh Kumar Rathore	Dr. Deepika Pantola	Shubham Sharma, Priyanka Gupta, Narendra Verma
243	Kritika Tiwari, Deepak Batham and Vandana Vikas Thakare	Space Division Multiplexing Elastic Optical Network - Challenges and Opportunities	TS 07	Dr. Pramod Kumar Singhal	Dr. Dinesh Kumar Rathore	Dr. Deepika Pantola	Shubham Sharma, Priyanka Gupta, Narendra Verma
246	Aayushi Singhal, Arvind Tomar and Pratesh Jayaswal	Rolling element bearing fault diagnosis using a kurtogram and spectral kurtosis analysis.	TS 07	Dr. Pramod Kumar Singhal	Dr. Dinesh Kumar Rathore	Dr. Deepika Pantola	Shubham Sharma, Priyanka Gupta, Narendra Verma
118	Guruprasad B, Manjunath D.V and Shwetha M.S	Experimental Study of Humidity Effect on Sensitivity of MEMS Cantilever Sensor	TS 07	Dr. Pramod Kumar Singhal	Dr. Dinesh Kumar Rathore	Dr. Deepika Pantola	Shubham Sharma, Priyanka Gupta, Narendra Verma
124	Ashwani Kumar Pandey, Abhinandan Tripathi, Ashok Kumar Yadav and Shreya Yadav	Voting System Based on Blockchain Technology Smart-Contracts	TS 08	Dr. Pratesh Jayaswal	Dr. Hari Mohan Dubey	Dr. Aruna SK	Vimal Tiwari, Shradha Dubey, Deepak
147	Fouzia Adjailia and Michal Takac	Computational Methods in Computational Fluid Dynamics	TS 08	Dr. Pratesh Jayaswal	Dr. Hari Mohan Dubey	Dr. Aruna SK	Vimal Tiwari, Shradha Dubey, Deepak
169	Gayatri Gangipamula, Reetu Jain and Syed Abou Iltaf Hussain	A Model to Identify the Impairment Caused by Smoking to the Oral Cavity	TS 08	Dr. Pratesh Jayaswal	Dr. Hari Mohan Dubey	Dr. Aruna SK	Vimal Tiwari, Shradha Dubey, Deepak
175	Ghaliya Alfarsi	Virtual Reality Environment with The Education Sector	TS 08	Dr. Pratesh Jayaswal	Dr. Hari Mohan Dubey	Dr. Aruna SK	Vimal Tiwari, Shradha Dubey, Deepak
182	Anjali Yadav and Sanjay Ganorkar	Improving Right Ventricle Contouring in Cardiac MR Images Using Integrated Approach for Small Datasets	TS 08	Dr. Pratesh Jayaswal	Dr. Hari Mohan Dubey	Dr. Aruna SK	Vimal Tiwari, Shradha Dubey, Deepak
214	Rachit Jain, P.K Singhal and Vandana Vikas Thakare	An Effective Approach for Optimizing Antenna Design based on Machine Learning Models	TS 08	Dr. Pratesh Jayaswal	Dr. Hari Mohan Dubey	Dr. Aruna SK	Vimal Tiwari, Shradha Dubey, Deepak
167	Hemant Choubey and Alpana Pandey	A Deep Learning based neural network for detection of Epileptic Seizure	TS 09	Dr. Shishir Dixit	Dr. Saumil Maheshwari	Dr. Mausam Goswami	Vinay Kumar Tatekayala, Rahul Jha

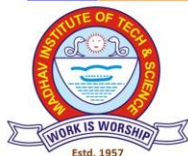


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170	Arhaan Garg, Reetu Jain and Vikramjeet Singh	Early Detection of Vocal Disorders such as Laryngeal Cancer and Dysphonia Using Voice Analysis and Machine Learning	TS 09	Dr. Shishir Dixit	Dr. Saumil Maheshwari	Dr. Mausam Goswami	Vinay Kumar Tatekayala, Rahul Jha
178	Garima Natani	Artificial intelligence and Machine Learning for Climate Change Mitigation and Adaptation	TS 09	Dr. Shishir Dixit	Dr. Saumil Maheshwari	Dr. Mausam Goswami	Vinay Kumar Tatekayala, Rahul Jha
190	Jahnvi Y, Balasaraswathi V R and Pavan Kumar Reddy Y	Model Building and Heuristic Evaluation of various Machine learning classifiers	TS 09	Dr. Shishir Dixit	Dr. Saumil Maheshwari	Dr. Mausam Goswami	Vinay Kumar Tatekayala, Rahul Jha
193	Jahnvi Y, Nagendra Kumar P and Anusha Palagati	Prediction and evaluation of cancer using Machine learning techniques	TS 09	Dr. Shishir Dixit	Dr. Saumil Maheshwari	Dr. Mausam Goswami	Vinay Kumar Tatekayala, Rahul Jha
249	Megh Patel, Devarsh Patel and Sarthak Patel	Comparative analysis of segmentation and generative models for fingerprint retrieval task	TS 09	Dr. Shishir Dixit	Dr. Saumil Maheshwari	Dr. Mausam Goswami	Vinay Kumar Tatekayala, Rahul Jha
122	B. Alekya Himabindu	Image Enhancement for Underwater Photography Using Morphological Filter	TS 10	Dr. Manoj Kumar Trivedi	Dr. Bhavna Rathore	Dr. Srigitha.S.Nath	Shubham Chitransh, Jay Singh, Sanjay Kr. Vaishnav
183	Vinay Kumar Tatikayala and Shishir Dixit	Power Quality enhancement for Grid connected PV and Wind System with TS Fuzzy Converters	TS 10	Dr. Manoj Kumar Trivedi	Dr. Bhavna Rathore	Dr. Srigitha.S.Nath	Shubham Chitransh, Jay Singh, Sanjay Kr. Vaishnav
191	Tanush Arora, Reetu Jain and Vikramjeet Singh	Experiment on a Novel Approach Toward Quantifying the Toxicity Level of the Soil Around the Yamuna River and Checking the Impact of Polluted Water on the Soil	TS 10	Dr. Manoj Kumar Trivedi	Dr. Bhavna Rathore	Dr. Srigitha.S.Nath	Shubham Chitransh, Jay Singh, Sanjay Kr. Vaishnav
194	Daksh Upadhyay, Reetu Jain and Syed Abou Iltaf Hussain	Development of a Robust Model to Predict the Sales of Tickets Employing Fuzzy IF-THEN Rules Based Algorithm	TS 10	Dr. Manoj Kumar Trivedi	Dr. Bhavna Rathore	Dr. Srigitha.S.Nath	Shubham Chitransh, Jay Singh, Sanjay Kr. Vaishnav
200	Vemala Bhargavi and Dr. Humera Khanam	A Comparative Study on various methodologies used in sentiment analysis for Indian languages	TS 10	Dr. Manoj Kumar Trivedi	Dr. Bhavna Rathore	Dr. Srigitha.S.Nath	Shubham Chitransh, Jay Singh, Sanjay Kr. Vaishnav



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238	Antonio Sarasa Cabezuelo	Development of a restaurant recommendation system	TS 10	Dr. Manoj Kumar Trivedi	Dr. Bhavna Rathore	Dr. Srigitha.S.Nath	Shubham Chitransh, Jay Singh, Sanjay Kr. Vaishnav
204	Ramasubramanian B, Hemanand D, Kavin Kumar K and Muthumanjula M	An Efficient System for grading Diabetic Retinopathy by detecting the location of lesions	TS 11	Dr. Rajni Ranjan Singh Makwana	Dr. Smita Parte	Dr. Kalaivani C T	Kamal Sharma, Shyamveer Singh Chauhan, Amit Shrivastava
205	Luka Jovanovic, Nebojsa Bacanin, Ana Jovancai, Dejan Jovanovic, Dharmendra Singh, Milos Antonijevic, Miodrag Zivkovic and Ivana Strumberger	Oil Price Prediction Approach Using Long Short-Term Memory Network Tuned by Improved Seagull Optimization Algorithm	TS 11	Dr. Rajni Ranjan Singh Makwana	Dr. Smita Parte	Dr. Kalaivani C T	Kamal Sharma, Shyamveer Singh Chauhan, Amit Shrivastava
242	Kirankumar Eranki and Bramara Jangala	Prediction of Heart Stroke using improved feature extraction based CNN Model	TS 11	Dr. Rajni Ranjan Singh Makwana	Dr. Smita Parte	Dr. Kalaivani C T	Kamal Sharma, Shyamveer Singh Chauhan, Amit Shrivastava
247	Chennupati Prathyusha and Kalyan Dusarlapudi	Design and Implementation of ML based Pothole Detection System with Telegram Notification	TS 11	Dr. Rajni Ranjan Singh Makwana	Dr. Smita Parte	Dr. Kalaivani C T	Kamal Sharma, Shyamveer Singh Chauhan, Amit Shrivastava
248	Devarsh Patel, Sarthak Patel and Megh Patel	Application of image-to-image translation in improving pedestrian detection	TS 11	Dr. Rajni Ranjan Singh Makwana	Dr. Smita Parte	Dr. Kalaivani C T	Kamal Sharma, Shyamveer Singh Chauhan, Amit Shrivastava
11	Ely Ondo Ekogha and Pius Adewale Owolawi	SAPV sizing optimization: A numerical iterative method using LTE base station profile in SA	TS 11	Dr. Rajni Ranjan Singh Makwana	Dr. Smita Parte	Dr. Kalaivani C T	Kamal Sharma, Shyamveer Singh Chauhan, Amit Shrivastava



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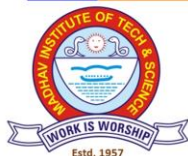


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SESSION CONDUCTION SUMMARY (SESSION 1-6)

Session	Accepted/Scheduled Papers	Presented Papers
TS 1	7	5
TS 2	6	6
TS 3	5	5
TS 4	6	5
TS 5	5	4
TS 6	6	5
TS 7	5	4
TS 8	6	5
TS 9	6	4
TS 10	6	5
TS 11	6	6



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REPORT: TECHNICAL SESSION – I

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Session: TS 01 Date: 19.11.2022
Session Chair 1: Dr. Manish Dixit
Session Chair 2: Dr. Arvind Jain
Session Chair 3: Dr. Amit Kumar

Paper ID: 250

Paper Title: Tinnitus Detection and Diagnosis With EMG Data Sharing System For Humans

Presented By: Jayanthan

Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

He studied the differences in the audiological findings between individuals having normal hearing without tinnitus and those with tinnitus on a series of audiological tests.

QA session
Your accuracy is 90percent, is this sufficient and is this accuracy for normal person? what are the major hurdles you encountered? He answered, "Main hurdle is getting dataset". Have you consulted any doctor with your result. Is this IoT based device is of first kind or any other are available? what is the cost of system? ₹220000. Author has answered all the questions.

Signature: Priyanka Gupta, Rahul Jha



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Session: TS 01 Date: 19.11.2022

Session Chair 1: Dr. Manish Dixit

Session Chair 2: Dr. Arvind Jain

Session Chair 3: Dr. Amit Kumar

Paper ID: 36

Paper Title: Text Visualization of Entire Corpus through Single document Input Tools

Presented By: Gouri Choudhary

Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

Text visualization techniques and application is discussed.

Weighting Scheme method is recommended.

Dr. Arvind Jain
Drawbacks of proposed method → Not less than 2 or 3 pages, it is for corpus

Author has answered all the questions satisfactorily.

Signature: Priyanka Gupta, Rahul Jha



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Session: TS 01

Date: 19.11.2022

Session Chair 1: Dr. Manish Dixit

Session Chair 2: Dr. Arvind Jain

Session Chair 3: Dr. Amit Kumar

Paper ID: 117

Paper Title: Security Enhancement of Data Mining Over Cloud

Presented By: Navinder SinghComments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

The performance of data transmission through the cloud is impaired, After acquiring, data is clustered, compressed, building security model then security and performance evaluation is done by LSTM model. Tools used - MATLAB. This method provide more secure environment. Q: what is big data? what is meaning of data mining? why you considered TS-201. ratio of learning and testing? asked

Signature: Pratyanka Gupta, Rahul Jha



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Paper ID: 152

Paper Title: "Rejuvenation with Modernization of Hydrogenerator": Prediction and Control of Electromagnetic vibration with Artificial development of Stator Frame design, Artificial Intelligence - A Review Study

Presented By: Yejinder Thakur

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

Artificial intelligence is a key opportunity to rejuvenate hydro-generator, the study was carried out on particular about stator vibration characteristics depending on hydrogenerator electromagnetic force, thermal expansion, rigidity.

Q&A session: which software you used? ANSYS. What is novelty of your work? The stator frame oblige arm design to save rotation clearance and out clearance has not yet analyzed by any researcher for hydrogenerator.

Signature: Priyanka Gupta, Rahul Jha

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Session: TS 01 Date: 19.11.2022

Session Chair 1: Dr. Manish Dixit

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Session: TS 01 Date: 19.11.2022

Session Chair 1: Dr. Manish Dixit

Session Chair 2: Dr. Arvind Jain

Session Chair 3: Dr. Amit Kumar

Paper ID: 179

Paper Title: An Efficient Approach To Estimate Software Cost By Analogy Using ACCO

Presented By: _____

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

ABSENT

Signature:  
 Priyanka Gupta, Rahul Jha



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Session: TS 01

Date: 19.11.2022

Session Chair 1: Dr. Manish Dixit

Session Chair 2: Dr. Arvind Jain

Session Chair 3: Dr. Amit Kumar

Paper ID: 187

Paper Title: Data Analysis to Understand the Causes of Global Warming and Application of Soft Computing Techniques to Develop its

Forecasting Model

Presented By: Aarush Mahajan

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

He discussed three time-series model ARIMA, SARIMA (extension of ARIMA) and Holt-winters algorithm. He shows correlation between increase in Global temperature and Greenhouse Gas Concentration. The Holt-model for CO₂ Concentration shows 94.5% accuracy.

Q/A Session:
How you depend your work accuracy with previously available work? what is source of your data?
Author satisfactory answered all the questions.

Signature: Priyanka Gupta, Rahul Jha



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Paper ID: 195

Paper Title: Intelligent System for Real-Time Pathologies Monitoring and Detection

Presented By: _____

Comments/Overall feedback/Summary of the presented paper:
 (To be filled out by Session's Coordinator)

ABSENT

Signature: Priyanka Gupta, Rahul Jha

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REPORT: TECHNICAL SESSION – II



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Session: TS 02 **Date:** 19.11.2022
Session Chair 1: Dr. Vivek Shrivastava
Session Chair 2: Dr. Yashwant Sawle
Session Chair 3: Dr. Deepak Batham

Paper ID: 24

Paper Title: Recent developments in the application of deep learning to stock market prediction

Presented By: Shradha Jain Sharma

Comments/Overall feedback/Summary of the presented paper:
 (To be filled out by Session's Coordinator)

Following queries were asked by the session chair.

- i) How many number of samples have you taken?
- ii) Where are you getting this data from?
- iii) What is the source of that data?
- iv) Location should be mentioned in the presentation.

Signature: Poonam Singh, Shyamveer Singh Chauhan



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Session: TS 02

Date: 19.11.2022

Session Chair 1: Dr. Vivek Shrivastava

Session Chair 2: Dr. Yashwant Sawle

Session Chair 3: Dr. Deepak Batham

Paper ID: 25

Paper Title: Tomato Foliage disease recognition using Random Forest and Convolutional Neural Networks

Presented By: Loganayaki Thangaraj

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

Following queries were asked by the session chair.

i) Latest references are missing of Random forest and Convolutional Neural Networks.

ii) What are the limitations of Random forest and Convolutional Neural Networks.

Overall Presentation is excellent.

Signature: Poonam Singh, Shyamveer Singh Chauhan



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Paper ID: 30

Paper Title: Lycopersicon Crop Leaf Disease Identification using Deep Learning

Presented By: Balkha Joshi

Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

your presentation is very excellent and content is also good.

Signature: Poonam Singh, Shyanveer Singh Chauhan

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Session: TS 02 Date: 19.11.2022

Session Chair 1: Dr. Vivek Shrivastava

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Paper ID: 47

Paper Title: Machine learning algorithms to forecast a heart disease

Presented By: Savita Singla.Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

Following queries were asked by the session chair

1) What are the main objectives?

2) What are the main data mining technique used for ?

Signature: Poonam Singh, Shyamveer Singh Chauhan

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Session: TS 02

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Session Chair 1: Dr. Vivek Shrivastava

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Session Chair 3: Dr. Deepak Barham





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Session: TS 02

Date: 19.11.2022

Session Chair 1: Dr. Vivek Shrivastava

Session Chair 2: Dr. Yashwant Sawle

Session Chair 3: Dr. Deepak Batham

Paper ID: 103

Paper Title: Impact of Online Classes Using Machine Learning Algorithms: Estimation, Classification, and Prediction

Presented By: A. Mallya Rawal

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

How much time required to collect the sample size,
Overall presentation is good.

Signature: Poonam Singh, Shyamveer Singh Chauhan



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Session: TS 02 Date: 19.11.2022

Session Chair 1: Dr. Vivek Shrivastava

Session Chair 2: Dr. Yashwant Sawle

Session Chair 3: Dr. Deepak Batham

Paper ID: 107

Paper Title: Deep Learning Based 3 D Model for CULTURAL Heritage site in Gujarat

Presented By: Sanjay Pande

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

- i) How many maps you have for a Particular location.
- ii) What type of resolution required.
- iii) Which type of technical device used.

Signature: Poonam Singh, Shyamwer Singh Chauhan



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REPORT: TECHNICAL SESSION – III

Paper ID: 97

Paper Title: Features Extraction and Analysis of Electro-Myogram Signals using Time, Frequency, and Wavelet Transform Methods

Presented By: Prasad Chilkotkar
Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

Session chair asked about source of data (primary sources) of EMG signal and were answered by presenter, further work done by author is appreciated by session chair.

Signature: Vinay Kumar Tarekayala, Shubham Sharma



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Session: TS 03 Date: 19.11.2022

Session Chair 1: Dr. Pradyumn Chaturvedi

Session Chair 2: Dr. Varun Sharma

Session Chair 3: Prof. Ramasubramanian B





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Session: TS 03

Date: 19.11.2022

Session Chair 1: Dr. Pradyumn Chaturvedi

Session Chair 2: Dr. Varun Sharma

Session Chair 3: Prof. Ramasubramanian B

Paper ID: 198

Paper Title: An Analysis of Safe IoT Integration with Cloud Computing

Presented By: Md. Afroz
Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

Dr. Varun asked him about extension of his work and appreciated his work.

Signature: Vinay Kumar Tarekayala, Shubham Sharma



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Paper ID: 207

Paper Title: Attention Neural Network based Channel Selection Algorithm for Cognitive Decision Making and Control in Smart Grid

Presented By: Arifa Sultana

Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

Prof. Srinivasan B asked what ip/psr the parameter being used/Network considered and also asked for comparison with existing systems. And also point out the reason behind the selection of Algorithm. Further Session chairs appreciated her work.

Signature: Vinay Kumar Tatakayala, Shudham Sharma

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Session: TS 03 Date: 19.11.2022

Session Chair 1: Dr. Pradyumn Chaturvedi

Session Chair 2: Dr. Varun Sharma

Session Chair 3: Prof. Ramasubramanian B



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Paper ID: 212

Paper Title: A Tool for Processing IoT-Sensor Measurement with a Moving Horizon Filter Approach

Presented By: Anees Fatima BakhirComments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

Session chair asked on which domain is considered for processing
in your research and what approach is used. Furthermore
session chairs congratulated for work.

Signature: Vinay Kumar Tatarkayala, Shubham Sharma

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Session: TS 03

Date: 19.11.2022

Session Chair 1: **Dr. Pradyumn Chaturvedi**Session Chair 2: **Dr. Varun Sharma**Session Chair 3: **Prof. Ramasubramanian B**



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Paper ID: 229

Paper Title: Design and Development of Multipurpose Low Cost AIR Cooler

Presented By: Dinendra BhojraComments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

Session Chair appreciated the work done by author and asked about comparison parameters which were answered by presenter.

Signature: Vinay Kumar Talakayala, Shubham Sharma

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Session: TS 03

Date: 19.11.2022

Session Chair 1: Dr. Pradyumn Chaturvedi

Session Chair 2: Dr. Varun Sharma

Session Chair 3: Prof. Ramasubramanian B





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REPORT: TECHNICAL SESSION – IV




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Session: TS 04 **Date: 19.11.2022**

Session Chair 1: Dr. Arun Kumar Wadhvani

Session Chair 2: Dr. Laxmi Shrivastava



Session Chair 3: Dr. Ankur Goyal

Paper ID: 18

Paper Title: Facts Devices with Distinctive Positioning for Voltage Regulation

Presented By: Hemant Gupta

Comments/Overall feedback/Summary of the presented paper: Author presented a research study for (To be filled out by Session's Coordinator) facts devices with distinctive Positioning for voltage regulation. Facts devices are intended to improve our power system reliability, power transfer capability, transient and dynamic stability improvement, voltage regulation. Session chairs asked about the scope and need of the study, then author and session chairs discussed the results of the study in an effective manner.

Signature:  Kamal Sharma, Anil Shrivastava
 Anil Shrivastava



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Session: TS 04

Date: 19.11.2022

Session Chair 1: Dr. Arun Kumar Wadhvani

Session Chair 2: Dr. Laxmi Shrivastava

Session Chair 3: Dr. Ankur Goyal

Paper ID: 76

Paper Title: Model Order Reduction using Pole Clustering and Factor Division Method

Presented By: Somya SaxenaComments/Overall feedback/Summary of the presented paper: Somya Saxena presented a study for model

(To be filled out by Session's Coordinator) order reduction using pole clustering and factor
division method. Author presented a mixed method for reducing the order of
large-scale single input single output system. In this method, denominator
polynomial is determined using pole clustering method. Author and
session chair discussed the objectives and methodology to develop the
equations for the study.

Signature: Kamal Sharma, Amit Shrivastava



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Session: TS 04 Date: 19.11.2022

Session Chair 1: Dr. Arun Kumar Wadhvani

Session Chair 2: Dr. Laxmi Shrivastava

Session Chair 3: Dr. Ankur Goyal

Paper ID: 110

Paper Title: Efficient Cluster Key Management Scheme for Wireless Sensor Networks

Presented By: Vishal Chaurchary

Comments/Overall feedback/Summary of the presented paper: Dr. Vishal presented the research work on

(To be filled out by Session's Coordinator) Efficient cluster key management scheme for wireless sensor networks. Dr. Vishal told that they tried to simplify the key generation and distribution within the clusters nodes. Their analysis shows that this method improve the security by using dynamic cluster formation along with key generation and distribution, session chairs and author ~~steps~~ discussed results of study in detail.

Signature:  Kamal Sharma, Anil Shrivastava



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Paper ID: 112

Paper Title: Application of a Fuzzy Decision-Making Method to Identify Cause-Effect Criteria of Wastewater Treatment Systems

Presented By: Nayabiana Mohd Nagib

Comments/Overall feedback/Summary of the presented paper: Nayabiana presented the study over the application of wastewater treatment system. In this study, the IF-DEMATEL method was applied to establish the relationship among nine criteria of wastewater treatment systems. Section chair asked about need of their study in present scenario and whole over the criteria of selecting membership functions. Authors told that water pollution is increasing day-by-day and membership functions are selected based on literature review.

Signature: Kamal Sharma, Ami Shrivastava

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Session: TS 04

Date: 19.11.2022

Session Chair 1: Dr. Arun Kumar Wadhvani

Session Chair 2: Dr. Laxmi Shrivastava

Session Chair 3: Dr. Ankur Goyal



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Session: TS 04 Date: 19.11.2022

Session Chair 1: Dr. Arun Kumar Wadhvani

Session Chair 2: Dr. Laxmi Shrivastava

Session Chair 3: Dr. Ankur Goyal

Paper ID: 113

Paper Title: Smart Water Management System for Jal Jeevan Mission

Presented By: Ms. Bharathi S

Comments/Overall feedback/Summary of the presented paper: Ms. Bharathi S presented the research work (To be filled out by Session's Coordinator) on smart water management system for Jal Jeevan Mission along with highlighting the importance of Jal Jeevan Mission. Author and session chairs discussed the smart water management system in India. Session chairs asked author for their motivation of study. Author clearly explained the objective, methodology and conclusion of the study.

Signature: Kamal Sharma, Amit Shrivastava



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Session: TS 0804 Date: 20.11.2022

Session Chair 1: Dr. Pratesh Jayaswal

Session Chair 2: Dr. Hari Mohan Dubey

Session Chair 3: Dr. Aruna SK

Paper ID: 175

Paper Title: Virtual Reality Environment with The Education Sector

Presented By: Chhaliga Aggrwal

Comments/Overall feedback/Summary of the presented paper: Chhaliga Aggrwal present the present

(To be filled out by Session's Coordinator) work on Virtual Reality Environment with the

education sector. Author discussed that the virtual reality world created by the interaction of several tools together to make the image with a 3D feature, as it gives me various a high quality vision as if he is watching a realistic and real scene. Author and session chairs also discussed about limitation and future scope of the study.


Signature: Vimal Tiwari, Shraddha Dubey, Deepak



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REPORT: TECHNICAL SESSION –V



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Paper ID: 201

Paper Title: Mitigating Trade-Off between Explainability and Confidentiality in Artificial Intelligence.

Presented By: Sumittra Biswal.

Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

Dr. S.V. Vasantha has asked to explain the EC decision and their scope for future work.
Dr. Anshu Chaturvedi has asked about the optimal response and accuracy of system and how its value are calculated. Dr. S.V. Vasantha has commented that the authors presented the paper very well and give gate factory response to the all questions.
Overall presentation are very good.

Signature: Vimal Tiwari, Deepak



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Session: TS 05 Date: 19.11.2022

Session Chair 1: Dr. Rakesh Singh Jadon

Session Chair 2: Dr. Anshu Chaturvedi

Session Chair 3: Dr. S.V. Vasantha

Paper ID: 210

Paper Title: Web Based User Interface Testing and Test Automation: Exploring the Current Market Challenges

Presented By: Saoria Khan

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

- Dr. S.V. Vasantha has asked which techniques you recommended for future in the field of different review techniques.
- Dr. Anshu Chaturvedi has asked which tools and methods are best suited with respect to the future work of automation. She also asked why do we need web based tester.
- Dr. R.S. Jadon has asked the no. of paper mentioned in his work and also suggested to add more papers.

Overall presentation is good.

Signature: Vimal Tiwari, Deepak



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4th

International Conference on Sustainable and Innovative Solutions
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Session: TS 05 Date: 19.11.2022

Session Chair 1: Dr. Rakesh Singh Jadon

Session Chair 2: Dr. Anshu Chaturvedi

Session Chair 3: Dr. S.V. Vasantha

Paper ID: 217

Paper Title: Robust Flood Prediction Approaches Using Exponential Smoothing and ARIMA Models

Presented By: Sushra J.Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

Dr. R. S. Jadon asked why author used ARIMA Models instead of simple time regression models.
Dr. S.V. Vasantha asked why 2s author's go through the linear regression model.
Later Dr. Jadon about the steel practical used and also asked if Author is biased with
their prediction during selecting the data. He suggested to add data from unpredictable
regions also and suggest to change the data carefully.

Overall presentation is good but some technical glitches from author's side

Signature: Vimal Tiwari, Deepak



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Session: TS 05 Date: 19.11.2022

Session Chair 1: Dr. Rakesh Singh Jadon

Session Chair 2: Dr. Anshu Chaturvedi

Session Chair 3: Dr. S.V. Vasantha

Paper ID: 227

Paper Title: A Comprehensive Review on Agriculture Based Pesticide Spraying Robot

Presented By: Kumari Seerat Dange

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

Dr. Anshu Chaturvedi asked how this work differs from the easily proposed model.
Dr. S.V. Vasantha asked to author explore the drone based robot.
Overall presentation is good.

Signature: Vimal Tiwari, Deepak



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Session: TS 05 Date: 19.11.2022

Session Chair 1: Dr. Rakesh Singh Jadon

Session Chair 2: Dr. Anshu Chaturvedi

Session Chair 3: Dr. S.V. Vasantha

Paper ID: 232

Paper Title: Digital and Innovative Suggestions for the Solution of a Sustainable and Smart city in India

Presented By: Uma Shankar Yadav

Comments/Overall feedback/Summary of the presented paper: :

(To be filled out by Session's Coordinator)

Overall presentation is good. No query is raised by the session chair person.

Signature: Vimal Tiwari, Deepak



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19-20 November, 2022



Paper ID: 234

Paper Title: Classification of Brain MRI Images

Presented By: Swati Mohad.

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

Dr. R.S. Jaton asked how author's identified from images is it malignant or benign.
Overall presentation is good.

Signature: Vimal Tiwari, Deepak



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Paper ID: 239

Paper Title: PDLW-Net: Novel Object Detection Variant of Vision Transformers in the Localization of Periodontal Ligament Widening

Presented By: Shreerhadh Thikannad.

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

. Dr. Anshu Chaturvedi commented as author's say this work is first of its kind and the work is good.
Overall presentation is good.

Signature: Vimal Tiwari, Deepak

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Session: TS 05 Date: 19.11.2022

Session Chair 1: Dr. Rakesh Singh Jadon

Session Chair 2: Dr. Anshu Chaturvedi

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REPORT: TECHNICAL SESSION – VI

Paper ID: 128

Paper Title: Transfer Learning Approach to Detect and Predict the Malaria from Blood Cell Images

Presented By: Priyanka Jangde

Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

- How many layers included in this network model
- How many data set used for validation for hyper. & for testing
- Accuracy level is not increasing. that means why?
- Why you stick on standard no. of layers,

Signature: Shubham Chitransh, Jay Singh



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Session: TS 06 Date: 19.11.2022

Session Chair 1: Dr. Chandra Shekhar Malvi

Session Chair 2: Dr. Sandeep Sharma

Session Chair 3: Dr. Puja Shashi



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Session: TS 06 Date: 19.11.2022

Session Chair 1: Dr. Chandra Shekhar Malvi

Session Chair 2: Dr. Sandeep Sharma

Session Chair 3: Dr. Pooja Shashi

Paper ID: 137

Paper Title: Lung Cancer Prediction using Machine Learning

Presented By: Tithendra Boidla

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

- where you get this data set & is this data set authentic or not.
- feature importance analysis performance was done or not.
- Criteria for selecting features.
- Are you used feature importance curves.
- Is it possible to remove all type of noise from image for processing.

Signature:  Shubham Chitransh, Jay Singh



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Session: TS 06 Date: 19.11.2022

Session Chair 1: Dr. Chandra Shekhar Malvi

Session Chair 2: Dr. Sandeep Sharma

Session Chair 3: Dr. Puja Shashi

Paper ID: 138

Paper Title: Recent developments in Generative Adversarial Networks

Presented By: Rajesh SinghComments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

- why you have done your work on BIGGAN.
- If you want to filter the images then why you don't need leader techniques.
- from where you getting your data (source).

Signature: Shubham Aniransh, Jay Singh



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Session: TS 06 Date: 19.11.2022

Session Chair 1: Dr. Chandra Shekhar Malvi

Session Chair 2: Dr. Sandeep Sharma

Session Chair 3: Dr. Puja Shashi

Paper ID: 141

Paper Title: Performance Analysis of Satellite Image Classification Using Deep Learning Neural Network

Presented By:

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

ABSENT.

Signature: Shubham Chaturansh, Jay Singh



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Paper ID: 144

Paper Title: The Recital of Fastest Recognition of Band sensed by Using Machine learning Technique

Presented By: Sindhu Gupta

Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

- Novelty of your work regarding your domain?
- Why you use cumulative method & how the efficiency reaching maximum?
- Why primary user does not have certain security?
- Why you used certain optimization in your research work?

Signature: Shubham Chitransh, Jay Singh

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Session: TS 06 Date: 19.11.2022

Session Chair 1: Dr. Chandra Shekhar Malvi

Session Chair 2: Dr. Sandeep Sharma

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Session: TS 06 Date: 19.11.2022

Session Chair 1: Dr. Chandra Shekhar Malvi

Session Chair 2: Dr. Sandeep Sharma

Session Chair 3: Dr. Puja Shashi

Paper ID: 161

Paper Title: Pedestrian Detection Using YOLOv5 and Complete IoU Loss for Autonomous Driving Applications

Presented By: Etikala Raja Vikram ReddyComments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

- How misrate is different from false alarm rate.
- From where you get the dataset, is it authentic.
- Difference b/w two stage & one stage misrate method.
- Is there is increasing in accuracy by using two stage method.

Signature: Shubham Chitransh, Jay Singh



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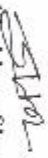


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REPORT: TECHNICAL SESSION –VII

 <p>4th International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCT - 2022)</p> <p>ORGANIZED BY MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE, AFFILIATED TO R.G.P.V. BHOPAL (M.P.), INDIA Technically Sponsored By: Soft Computing Research Society 19-20 November, 2022</p> <p>Session: TS 07 Date: 20.11.2022 Session Chair 1: Dr. Pramod Kumar Singhal Session Chair 2: Dr. Dinesh Kumar Rathore Session Chair 3: Dr. Deepika Pantola</p> <p>Paper ID: 118</p> <p>Paper Title: Experimental Study of Humidity Effect on Sensitivity of MEMS Cantilever Sensor</p> <p>Presented By: _____ Comments/Overall feedback/Summary of the presented paper: (To be filled out by Session's Coordinator)</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">ABSENT</p> <p>Signature:  Shubham Sharma,  Priyanka Gupta,  Narendra Verma</p>



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Session: TS 07

Date: 20.11.2022

Session Chair 1: Dr. Pramod Kumar Singhal

Session Chair 2: Dr. Dinesh Kumar Rathore

Session Chair 3: Dr. Deepika Pantola

Paper ID: 231

Paper Title: Dual-band Patch Antenna with Four-slot Structure for 5G Wireless Applications

Presented By: Deepika Nirave

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

→ Dual band patch antenna by changing the 3 slots.

→ To check the feasibility of proposed antenna. Q and resonance were used in reported work and were answered by author. further session chair appreciated her work. and Author were suggested

for adding loss function in her work in future.

Signature: Shubham Sharma, Priyanka Gupta, Narendra Verma



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Session: TS 07

Date: 20.11.2022

Session Chair 1: Dr. Pramod Kumar Singhal

Session Chair 2: Dr. Dinesh Kumar Rathore

Session Chair 3: Dr. Deepika Pantola

Paper ID: 233

Paper Title: Advancement Of Short Range Wireless Communication System For Recent And Future Applications

Presented By: Dr. Rajesh Thakre

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)
Session chair appreciated work done by author. Further Dr. Jigal remarked this presentation as a very informative work since it is related to the OIB that is next generation (5G) telecommunication band.
Overall Presentation was very informative.

Signature: Shubham Sharma, Priyanka Gupta, Narendra Verma



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Session: TS 07 Date: 20.11.2022

Session Chair 1: Dr. Pramod Kumar Singhal

Session Chair 2: Dr. Dinesh Kumar Rathore

Session Chair 3: Dr. Deepika Pantola

Paper ID: 240

Paper Title: GUI based NAND Flash memory and functional implementation of Block level address translation scheme

Presented By: Dimple

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

Session chair appreciated the work of author since the presentation was to deal with security of memory management and storage collecting at Paging level and block level. Further session chair motivated author to do and continue her work in power directory.

Signature: Shubham Sharma, Priyanka Gupta, Narendra Verma



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Session: TS 07 Date: 20.11.2022

Session Chair 1: Dr. Pramod Kumar Singhal

Session Chair 2: Dr. Dinesh Kumar Rathore

Session Chair 3: Dr. Deepika Pantola

Paper ID: 243

Paper Title: Space Division Multiplexing Elastic Optical Network - Challenges and Opportunities

Presented By: Kautilika Tiwari

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

Session chair asked about nature of work and realization of material used in Optical Network. Further Author were motivated to continue her work in this field.

Overall Presentation was very nice and informative.

Signature: Shubham Sharma, Priyanka Gupta, Narendra Verma



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REPORT: TECHNICAL SESSION –VIII

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Paper ID: 124

Paper Title: Voting System Based on Blockchain Technology Smart-Contracts

Presented By: Ashwami Kumar

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

Dr. Harimohan Dubey asked the contribution from author side as the results/outcome are missing for Prateesh Bajpai's work to know about the real time testing as the implementation part is missing. Funding & comparison with others existing technologies are also missing. Dr. Aruna's work is to know the future enhancement by the work. Later, Dr. Harimohan Dubey suggested to make the presentation in standard format with precise information.

Overall, Presentation is good.

Signature: Vimal Tiwari, Shradha Dubey, Deepak



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Session: TS 08

Date: 20.11.2022

Session Chair 1: Dr. Pratesh Jayaswal

Session Chair 2: Dr. Hari Mohan Dubey

Session Chair 3: Dr. Aruna SK

Paper ID: 147

Paper Title: Computational Methods in Computational Fluid Dynamics

Presented By:

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

ABSENT

Signature: Vimal Tiwari, Shraddha Dubey, Deepak



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Paper ID: 169

Paper Title: A Model to Identify the Impairment Caused by Smoking to the Oral Cavity

Presented By: Saurabh Mishra

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

Dr. Aruna sir wants to know about the data. It is publicly available or collected. Others she asked is the comment of the patient is taken or Pratesh Jayaswal wants to know is this work is used by any hospital for real time diagnosis of disease. & how this work is used to diagnosis disease. Dr. Hari Mohan Dubey comment as presentation is nice & wants to know the difference between the CNN & neuralgovering. How many layers are selected & suggested to increase the no. of layers for better resultgovering. How many layers are selected & suggested to increase the no. of layers overall, presentation is good.

Signature: Vimal Tiwari, Shraddha Dubey, Deepak



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Paper ID: 182

Paper Title: Improving Right Ventricle Contouring in Cardiac MR Images Using Integrated Approach for Small Datasets

Presented By: Arushi Yadav

Comments/Overall Feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

Dr. Aruna SK asked about the existing methods used by the authors & also why only right ventricle is used in research work. Why not left ventricle.

Dr. Pratesh Jagtapal wants to know why this work is more successful than the previous work and why it be use in real time. can we use this work to diagnosis for the congenital

as cardiac disease disease asked how accuracy is selected by the authors & suggested to add more references & compare your result with existing research for proper validation.

Overall, presentation is nice.

Signature: Vimal Tiwari, Shraddha Dubey, Deepak

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Session: TS 08 Date: 20.11.2022

Session Chair 1: Dr. Pratesh Jayswal

Session Chair 2: Dr. Hari Mohan Dubey

Session Chair 3: Dr. Aruna SK



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Session: TS 08

Date: 20.11.2022

Session Chair 1: Dr. Pratesh Jaysawal

Session Chair 2: Dr. Hari Mohan Dubey

Session Chair 3: Dr. Aruna SK

Paper ID: 184

Paper Title: Biometric Framework for Securing IoT Environment

Presented By: Prabhjot Maki

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

Dr. Aruna SK commented to present work done by author's instead of showing ideas.

Dr. Pratesh Jaysawal commented that the author's contribution is missing in the work.

Dr. Hari Mohan Dubey asked the rev. of research paper refereed in the work and suggest to add more than 10 research paper and compare them to make a better and effective reviewed paper.

Overall presentation is good.

Signature: Vimal Tiwari, Shraddha Dubey, Deepak



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Session: TS 08 Date: 20.11.2022

Session Chair 1: Dr. Prateesh Jayaswal

Session Chair 2: Dr. Hari Mohan Dubey

Session Chair 3: Dr. Aruna SK

Paper ID: 214

Paper Title: An Effective Approach for Optimizing Antenna Design based on Machine Learning Models

Presented By: Rachit Jain

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

Dr. Aruna asked about the contribution of author in the work. Further, she asked is there any comparison with the existing or published work. Dr. Prateesh Jayaswal asked about the comparison of ANN & Machine Learning specifically for antenna design & commented that the novelty of the work is missing. Dr. Hari Mohan Dubey commented that the work is great but the formulation part is missing & despite of the work should be clear. He also suggested to use abbreviation in the presentation. Overall, the presentation is good.

Signature: Vimal Tiwari, Shraddha Dubey, Deepak



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REPORT: TECHNICAL SESSION –IX

Paper ID: 167

Paper Title: A Deep Learning based neural network for detection of Epileptic Seizure

Presented By: Hemant Chhabra
Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

In this paper, the automated method of Epileptic seizure detection using simple and most-common feature without any optimization techniques. This based on ANN architecture which trained this model. The proposed automated detection method have an accuracy of 98%.

Q&A: How many data is selected for testing? How you compare your results with other papers? The author answered all the questions satisfactorily.

Signature: Vinay Kumar Talakayala, Rahul Jha



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Session: TS 09 Date: 20.11.2022

Session Chair 1: Dr. Shishir Dixit

Session Chair 2: Dr. Saunili Maheshwari

Session Chair 3: Dr. Mausam Goswami





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Session: TS 09 Date: 20.11.2022

Session Chair 1: Dr. Shishir Dixit

Session Chair 2: Dr. Saumil Maheshwari

Session Chair 3: Dr. Mausam Goswami

Paper ID: 170

Paper Title: Early Detection of Vocal Disorders such as Laryngeal Cancer and Dysphonia Using Voice Analysis and Machine Learning

Presented By: Arhaan Garg
Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

In this paper, Logistic Regression is employed with close conjunction with the MFCC to achieve the aim of this paper. A non-invasive method of detection is used like a simple microphone to detect various (vocal disorders) such as Laryngeal Cancer and Dysphonia.

Q&A: How do you formulate the equation? How do you do mathematical modelling? How do you compare your method with all existing methods? Have you filed any kind of patent?

Author answered all the questions, chair persons are very happy to see that a PhD student is presenting such research.

Signature: Vinay Kumar Tatkayala, Rahul Jha



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Paper ID: 178

Paper Title: Artificial Intelligence and Machine Learning for Climate Change Mitigation and Adaptation

Presented By: Gorima Nastani

Comments/Overall Feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)
Author discussed application of AI in preparedness, urban environment, transportation, consulting, misinformation and promote climate optimism. Researcher talked about - interventions, knowledge and influence toward reversing climate change. Also, AI cannot solve climate change issues alone. Q/A - what in tip 10 result? How many columns are there in your dataset? Elaborate your flowchart? Author answered all the questions

Signature: Vinay Kumar Tutekayala, Rahul Jha

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Session: TS 09 Date: 20.11.2022

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Session: TS 09 Date: 20.11.2022

Session Chair 1: Dr. Shishir Dixit

Session Chair 2: Dr. Saumil Maheshwari

Session Chair 3: Dr. Mausam Goswami

Paper ID: 190

Paper Title: Model Building and Heuristic Evaluation of various Machine learning classifiers

Presented By: _____

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

ABSENT

Signature: Vinay Kumar Tatkayyala, Rahul Jha



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Paper ID: 193

Paper Title: Prediction and evaluation of cancer using Machine learning techniques

Presented By:

Comments/Overall feedback/Summary of the presented paper:
 (To be filled out by Session's Coordinator)

ABSENT

Signature: Vinay Kumar Tarkayala, Rahul Jha



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Session: TS 09

Date: 20.11.2022

Session Chair 1: Dr. Shishir Dixit

Session Chair 2: Dr. Saumil Maheshwari

Session Chair 3: Dr. Mausam Goswami

Paper ID: 249

Paper Title: Comparative analysis of segmentation and generative models for fingerprint retrieval task

Presented By: Megh Patel

Comments/Overall Feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator)

In this paper, author proposes a new dataset consisting of pairs of synthetically generated ground-truth and noisy fingerprints. The paper explores a deep learning approach to extract the original fingerprint from noisy images using Generative and Segmentation models. The unsupervised model performed better than the Generative networks suggesting that the Difference between the models pre-20 and Gnet GAN. Are both of supervised learning or unsupervised learning? The author answered all the questions satisfactorily.



Signature: Vinay Kumar Tarikayala, Rahul Jha



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REPORT: TECHNICAL SESSION –X

 <p>4th International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSIS CET - 2022)</p> <p>ORGANIZED BY MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE, AFFILIATED TO R.G.P.V. BHOPAL (M.P.), INDIA Technically Sponsored By: Soft Computing Research Society 19-20 November, 2022</p> 	<p>Session: TS 10 Date: 20.11.2022 Session Chair 1: Dr. Manoj Kumar Trivedi Session Chair 2: Dr. Bhavna Rathore Session Chair 3: Dr. Srigitha.S.Nath</p>
<p>Paper ID: 122</p>	<p>Paper Title: Image Enhancement for Underwater Photography Using Morphological Filter</p>
<p>Presented By: <u>Alekya Chivda</u></p>	<p>Comments/Overall feedback/Summary of the presented paper: (To be filled out by Session's Coordinator) All the session chair has appreciated her work. However following are observation and gaps related to research have been noticed by the session chair: (i) comparison of proposed algorithm with any other algorithm with same problem. (ii) Idea behind the choosing of proposed algorithm. In their response, presenter has provide satisfactory answers to the session chair and explain the things in a good manner. Overall the presentation or research are good and have wide applications in other field too.</p>
<p>Signature: <u>Shubham Chitransh, Jay Singh, Sanjay Kr. Vaishnav</u></p>	



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Session: IS 10 Date: 20.11.2022

Session Chair 1: Dr. Manoj Kumar Trivedi

Session Chair 2: Dr. Bhavna Rathore

Session Chair 3: Dr. Srigitha.S.Nath

Paper ID: 183

Paper Title: Power Quality enhancement for Grid connected PV and Wind System with TS Fuzzy Converters

Presented By: Vinay Kumar PatilComments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

All the session chair has appreciated my work and remark a good points about their research such as grid work, hardware, sustainable in nature and satisfied with his work. Further, following questions were raised like testing of model in real time manner, about performance index, fuzzy PID and controller part of controller side. Praveen Rathore all the session chair with their answers in addition to that following suggestion were provided to avoid their work such as inclusion of TO parameter, updation of title of paper, current analysis, utilization of TS fuzzy.

Signature: Shubham Chitransh, Jay Singh, Sanjay Kr. Vaishnav



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Paper ID: 191

Paper Title: Experiment on a Novel Approach Toward Quantifying the Toxicity Level of the Soil Around the Yamuna River and Checking the Impact of Polluted Water on the Soil

Presented By: Tanush Arora

Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

Session chairs have appreciated his work on the presentation is 12 standard student. In this regard, session chairs have asked about what the quantification of toxic parameter and other quality parameter? The presenter has responded with their answers, overall the work is good.

Signature: Shubham Chitransh, Jay Singh, Sanjay Kr. Vaishnav

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Session Chair 3: Dr. Srigitha.S.Nath

Paper ID: 194

Paper Title: Development of a Robust Model to Predict the Sales of Tickets Employing Fuzzy IF-THEN Rules Based Algorithm

Presented By: Baksh UpadhyayComments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

evaluation chairs appreciated their work and ask following question regarding their research, which have not been
 (1) Testing of model in real life scenario
 Product have already tested this model in real life scenario. In e-commerce and business
 in which be found that which algorithm work's perfect model.

Signature: Shubham Chitransh, Jay Singh, Sanjay Kr. Varshnav



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Session: TS 10

Date: 20.11.2022

Session Chair 1: Dr. Manoj Kumar Trivedi

Session Chair 2: Dr. Bhavna Rathore

Session Chair 3: Dr. Srigitha.S.Nath

Paper ID: 200

Paper Title: A Comparative Study on various methodologies used in sentiment analysis for Indian languages

Presented By: Vemala ChaggarComments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

All the session chairs has appreciated his work. In which one session chair has asked some questions, regarding application of proposed algorithms for any other languages too. In this regard, presenter shows limitation of their algorithms such that availability, of data, volume of data and need of linguistic expert. Overall the presentation is good.

Signature: Shubham Chitransh, Jay Singh, Sanjay Kr. Vaishnav



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Paper ID: 238

Paper Title: Development of a restaurant recommendation system

Presented By: _____

Comments/Overall feedback/Summary of the presented paper:
(To be filled out by Session's Coordinator)

ABSENT

Signature: Shubhraj Chitransh, Jay Singh, Sanjay Kr. Vaishnav

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REPORT: TECHNICAL SESSION – XI

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Session: TS 11 Date: 20.11.2022

Session Chair 1: Dr. Rajni Ranjan Singh Makwana

Session Chair 2: Dr. Smita Parde

Session Chair 3: Dr. Kalavani CT

Paper ID: 11

Paper Title: SAPV sizing optimization: A numerical iterative method using LTE base station profile in SA

Presented By: Ely ondo EkrogaComments/Overall feedback/Summary of the presented paper: Ely ondo Ekroga present a model for
(To be filled out by Session's Coordinator) SAPV sizing optimization. A numerical iterative method

Using LTE based station profile in South Africa. As a result, the developed was found at 0.35 kW for 13PV panels and 408750 Wh battery capacity. Author and session chair's discussed about main purpose and results of the study. Author ~~also~~ also discussed about findings of the study.

Signature: Kamal Sharma, Shyamveer Singh Chauhan, Amil Shrivastava



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Session: TS II Date: 20.11.2022

Session Chair 1: Dr. Rajni Ranjan Singh Makwana

Session Chair 2: Dr. Smita Parne

Session Chair 3: Dr. Kalayani C T

Paper ID: 204

Paper Title: An Efficient System for grading Diabetic Retinopathy by detecting the location of lesions

Presented By: Rama Subramanian B

Comments/Overall Feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator) Rama Subramanian B presented the research work on the efficient system for grading diabetic retinopathy by detecting the location of lesions. Author explained that the retinal screening contributes to early detection of diabetic retinopathy and timely treatment. Session chairs were interested to discuss about the novelty of presented work. Author explained the results and process methodology in detail.

Signature: Kapil Shrivastava, Shyamveer Singh Chauhan, Amit Shrivastava



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Session: TS II Date: 20.11.2022

Session Chair 1: Dr. Rajni Ranjan Singh Makwana

Session Chair 2: Dr. Smriti Parde

Session Chair 3: Dr. Kalavanti C.T.

Paper ID: 205

Paper Title: Oil Price Prediction Approach Using Long Short-Term Memory Network Tuned by Improved Seagull Optimization Algorithm

Presented By: Luka Jovanovic

Comments/Overall feedback/Summary of the presented paper: Luka Jovanovic present a oil price prediction (To be filled out by Session's Coordinator) approach using long short-term memory network tuned by improved reopll optimization algorithm. The results of the study clearly demonstrate to improved performance of the novel approach, as it surpasses all other algorithms, including the original SOA under identical test conditions. Author and session chairs also discussed about methodology to predict the oil price.

Signature: Kamal Sharma, Shyamveer Singh Chauhan, Anil Shrivastava



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Paper Title: Prediction of Heart Stroke using Improved feature extraction based CNN Model

Paper ID: 242

Presented By: Bramora Jayala

Comments/Overall feedback/Summary of the presented paper:

(To be filled out by Session's Coordinator) The prediction of heart stroke using improved feature extraction based CNN model. Author proposed a method to predict the probability of presence of cardiovascular disease in a patient. Author and session chair discussed about the brainstorming taken for developed CNN networks. session chairs were also interested to know the limitations of the study.

Signature: Kajal Sharma, Suyamveer Singh Chauhan, Anil Shrivastava

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Session: TS 11

Date: 20.11.2022

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Session Chair 2: Dr. Smita Parde

Session Chair 3: Dr. Kalayami C T



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Session: TS 11 Date: 20.11.2022

Session Chair 1: Dr. Rajni Ranjan Singh Makwana

Session Chair 2: Dr. Smita Parde

Session Chair 3: Dr. Kalavani CT

Paper ID: 247

Paper Title: Design and Implementation of ML based Pothole Detection System with Telegram Notification

Presented By: Chennupath Padayasha.

Comments/Overall feedback/Summary of the presented paper: Chennupath padayasha presented the research (To be filled out by Session's Coordinator) study on design and implementation of ml based pothole detection system with telegram notification. This study affords a prototype of an IoT primarily based on totally pothole and bump detection machine that may be incorporated with the automobile. Author and session chair discussed about the factors affecting the design and implementation of proposed system.

Signature: Manoj Sharma, Shyamveer Singh Chauhan, Anil Shrivastava



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Paper ID: 248

Paper Title: Application of image-to-image translation in improving pedestrian detection

Presented By: Devash Patel

Comments/Overall feedback/Summary of the presented paper: Devash Patel discussed about the application of image-to-image translation in improving pedestrian detection. The lack of effective regions makes it difficult to perform several visual functions in low intensity light, including pedestrian recognition, and image-to-image translation. Authors and session chairs discussed about the aim, methodology and ~~next~~ results of the study.

Signature: Kamal Sharma, Shyamveer Singh Chaubhan, Amir Shirvastava

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MEDIA COVERAGE

पेस मेकर हृदय रोगियों के लिए अभिनव तकनीकी समाधान है : डॉ. के. के. अग्रवाल

एमआईटीएस में अंतर्राष्ट्रीय शोध सम्मेलन शुरू

नगर विंगारी, ग्वालियर

वर्तमान तकनीकी चुनौतियों का अभिनव एवं सतत समाधान चुनौतियों के विश्लेषण एवं पूर्वानुमान के द्वारा खोजा जा सकता है एवं उभरते हुए तकनीकी विधियों जैसे सोफ्ट कम्प्यूटिंग मशीन लर्निंग, इंटीलेजेंट सस्टेनेबल कम्प्यूटिंग सिस्टम अत्यंत प्रासंगिक सिद्ध हुई है। यह उदगार माधव प्रौद्योगिकी एवं विज्ञान संस्थान ग्वालियर में आयोजित दो दिवसीय ज्वलंत तकनीकी चुनौतियों के सतत एवं अभिनव समाधान विषय पर अंतर्राष्ट्रीय शोध सम्मेलन के उद्घाटन सत्र में डॉ. के. के. अग्रवाल चेयरमैन एनबीए एवं मेबर बोर्ड ऑफ गवर्नर्स एमआईटीएस ग्वालियर ने व्यक्त किया। उद्घाटन सत्र में डॉ. एस.एन. सिंह डायरेक्टर ए.व्ही. बी. ट्रिपल आईटीएम ग्वालियर ने बताया कि समय प्रबंधन एवं अर्जित ज्ञान का समाज को उत्कृष्ट बनाने में अहम योगदान होता है। नवाचार वही सतत एवं सार्थक होता है जो समाज की वर्तमान समस्याओं का प्रासंगिक हल प्रदान कर सके। साथ ही इंजीनियर रमेश अग्रवाल सचिव सिंधिया इंजीनियरिंग कॉलेज सोसायटी ने अंतर्राष्ट्रीय शोध सम्मेलन के सफल एवं सार्थक आयोजन के लिए शुभकामनाएं प्रदान की एवं शोध सम्मेलन अपने अपेक्षित लक्ष्यों



को प्राप्त कर सके इसके लिए संस्थान प्रबंधन का हर संभव प्रयास रहे यह प्रतिबद्धता ज्ञापित की। संस्थान अभिनव एवं सतत तकनीकी समाधान की लगातार चौथी अंतर्राष्ट्रीय सम्मेलन का आयोजन कर रहा है एवं यह सम्मेलन विश्व स्तरीय हो एवं अपने क्षेत्र का उत्कृष्ट आयोजन बने एवं अंतर्राष्ट्रीय शोधार्थी एवं विषय विशेषज्ञ का पारस्परिक संवाद संस्थान के फेकल्टी एवं शोधार्थियों से हो सके ताकि संस्थान नवाचारी समाधान खोजने में अपनी सार्थक योगदान दे सके इस तरह की प्रतिबद्धता उद्घाटन सत्र में संस्थान

के निदेशक डॉ. आर. के. पण्डित ने व्यक्त की। अंतर्राष्ट्रीय शोध सम्मेलन के उद्देश्य एवं प्राप्त शोध पत्रों की गुणवत्ता प्रतिवर्ष बढ़ रही है तथा सोफ्ट कम्प्यूटिंग के माध्यम से सतत एवं अभिनव समाधान निकाले जा सकते हैं। यह उद्बोधन इस सम्मेलन की चेयरपर्सन डॉ. मंजरी पण्डित डीन अकेडमिक ने उद्घाटन सत्र में दिया। अंतर्राष्ट्रीय सम्मेलन के सह आयोजक सोफ्ट कम्प्यूटिंग एवं रिसर्च सोसायटी के जनरल सेक्रेटरी डॉ. जगदीश चंद्र बंसल ने कहा कि यह सोसायटी लगातार इस तरह की शोध गतिविधियों के

आयोजन को संभव बनाने के लिए प्रतिबद्ध रहती है ताकि अत्याधुनिक जटिल समस्याओं के समाधान प्राप्त करने के लिए शोधार्थियों को प्रेरित एवं प्रोत्साहित किया जा सके। अंतर्राष्ट्रीय शोध सम्मेलन के प्रथम सत्र में डॉ. स्नेहंशु साहा प्रोफेसर विद्वस फिलानी गोवा कैम्पस, ने सोफ्ट कम्प्यूटिंग के प्रयोग से सस्टेनेबल डेवलपमेंट गोल (एसडीजी) को अपेक्षित स्तर पर प्राप्त किया जा सकता है तथा ऑर्टोमाइजेशन एलगोरिदम का प्रयोग करके ऊर्जा के महत्व उपयोग को बढ़ाया जा सकता है। वर्तमान वैश्विक तापन समस्या का उपयुक्त समाधान खोजा जा रहा है। प्रथम दिवस छः तकनीकी सत्रों का आयोजन किया गया जिसमें तकनीकी के विभिन्न क्षेत्रों में कम्प्यूटिंग टेक्नीक्स फॉर सस्टेनेबल डेवलपमेंट सस्टेनेबल कम्प्यूटिंग एण्ड इनफॉर्मेशन टेक्नोलॉजी कम्प्युटरेशनल इंटीलेजेंस एण्ड मशीन लर्निंग एमबेडेड सिस्टम एण्ड व्हीएलएसआई डिजायन एडवांसेड इन इंटीलेजेंट कम्प्यूटिंग, सस्टेनेबल इंजीनियरिंग सिस्टम एण्ड प्रेडिक्शन सस्टेनेबल डेवलपमेंट एण्ड इन्वेंशन इन टेक्नोलॉजीज। प्रतेश जायसवाल प्रोग्राम चेयर ने बताया कि सम्मेलन में 36 शोध पत्रों का वाचन किया गया।

ग्वालियर समाचार

एमआईटीएस में अंतर्राष्ट्रीय शोध सम्मेलन शुरू

पेस मेकर हृदय रोगियों के लिए अभिनव तकनीकी समाधान है : डॉ. केके अग्रवाल

ग्वालियर (प्रज्ञाप्रकार न्यूज़)

वर्तमान तकनीकी चुनौतियों का अभिनव एवं सतत समाधान चुनौतियों के विश्लेषण एवं पूर्वानुमान के द्वारा खोजा जा सकता है एवं उभरते हुए तकनीकी विधियों जैसे सोफ्ट कम्प्यूटिंग मशीन लर्निंग, इंटीलेजेंट सस्टेनेबल कम्प्यूटिंग सिस्टम अत्यंत प्रासंगिक सिद्ध हुई है। यह उदगार माधव प्रौद्योगिकी एवं विज्ञान संस्थान ग्वालियर में आयोजित दो दिवसीय ज्वलंत तकनीकी चुनौतियों के सतत एवं अभिनव समाधान विषय पर अंतर्राष्ट्रीय शोध सम्मेलन के उद्घाटन सत्र में डॉ. के. के. अग्रवाल चेयरमैन एनबीए एवं मेबर बोर्ड ऑफ गवर्नर्स एमआईटीएस ग्वालियर ने व्यक्त किया। उद्घाटन सत्र में डॉ. एस.एन. सिंह डायरेक्टर ए.व्ही. बी.



ट्रिपल आईटीएम ग्वालियर ने बताया कि समय प्रबंधन एवं अर्जित ज्ञान का समाज को उत्कृष्ट बनाने में अहम योगदान होता है। नवाचार वही सतत एवं सार्थक होता है जो समाज की वर्तमान समस्याओं का प्रासंगिक हल प्रदान कर सके। साथ ही इंजीनियर रमेश अग्रवाल सचिव सिंधिया इंजीनियरिंग कॉलेज सोसायटी ने अंतर्राष्ट्रीय शोध सम्मेलन के सफल एवं

सार्थक आयोजन के लिए शुभकामनाएं प्रदान की एवं शोध सम्मेलन अपने अपेक्षित लक्ष्यों को प्राप्त कर सके इसके लिए संस्थान प्रबंधन का हर संभव प्रयास रहे यह प्रतिबद्धता ज्ञापित की। संस्थान अभिनव एवं सतत तकनीकी समाधान की लगातार चौथी अंतर्राष्ट्रीय सम्मेलन का आयोजन कर रहा है एवं यह सम्मेलन विश्व स्तरीय हो एवं अपने

शोध गतिविधियों पर फोकस

अंतर्राष्ट्रीय सम्मेलन के सह आयोजक सोफ्ट कम्प्यूटिंग एवं रिसर्च सोसायटी के जनरल सेक्रेटरी डॉ. जगदीश चंद्र बंसल ने कहा कि यह सोसायटी लगातार इस तरह की शोध गतिविधियों के आयोजन को संभव बनाने के लिए प्रतिबद्ध रहती है ताकि अत्याधुनिक जटिल समस्याओं के समाधान प्राप्त करने के लिए शोधार्थियों को प्रेरित एवं प्रोत्साहित किया जा सके। अंतर्राष्ट्रीय शोध सम्मेलन के प्रथम सत्र में डॉ. स्नेहंशु साहा प्रोफेसर विद्वस फिलानी गोवा कैम्पस, ने सोफ्ट कम्प्यूटिंग के प्रयोग से सस्टेनेबल डेवलपमेंट गोल (एसडीजी) को अपेक्षित स्तर पर प्राप्त किया जा सकता है तथा ऑर्टोमाइजेशन एलगोरिदम का प्रयोग करके ऊर्जा के महत्व उपयोग को बढ़ाया जा सकता है। वर्तमान वैश्विक तापन समस्या का उपयुक्त समाधान खोजा जा रहा है।

क्षेत्र का उत्कृष्ट आयोजन बने एवं अंतर्राष्ट्रीय शोधार्थी एवं विषय विशेषज्ञ का पारस्परिक संवाद संस्थान के फेकल्टी एवं शोधार्थियों से हो सके ताकि संस्थान नवाचारी समाधान खोजने में अपनी सार्थक योगदान दे सके इस तरह की प्रतिबद्धता उद्घाटन सत्र में संस्थान के निदेशक डॉ. आर. के. पण्डित ने व्यक्त की।

अंतर्राष्ट्रीय शोध सम्मेलन के उद्देश्य एवं प्राप्त शोध पत्रों की गुणवत्ता प्रतिवर्ष बढ़ रही है तथा सोफ्ट कम्प्यूटिंग के माध्यम से सतत एवं अभिनव समाधान निकाले जा सकते हैं। यह उद्बोधन इस सम्मेलन की चेयरपर्सन डॉ. मंजरी पण्डित डीन अकेडमिक ने उद्घाटन सत्र में दिया।



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वर्तमान तकनीकी चुनौतियों का अभिनव एवं समाधान विश्लेषण के द्वारा खोजा जा सकता है। सोफ्ट कम्प्युटिंग मशीन लर्निंग, इंटेलेजेंट सस्टेनेबल कम्प्युटिंग सिस्टम अत्यन्त प्रासंगिक सिद्ध हुई है। यह बात माधव प्रौद्योगिकी एवं विज्ञान संस्थान में आयोजित दो दिवसीय सतत एवं अभिनव समाधान विषय पर अंतर्राष्ट्रीय शोध सम्मेलन के उद्घाटन सत्र में एनबीए के चेयरमैन और मेंबर बोर्ड ऑफ गर्वनर्स एमआईटीएस के डॉ. केके अग्रवाल ने कही।

वहीं उद्घाटन सत्र में ए.व्ही.बी. ट्रिपल आईटीएम डायरेक्टर डॉ. एस.एन. सिंह ने बताया कि समय प्रबंधन एवं अर्जित ज्ञान का



समाज को उत्कृष्ट बनाने में अहम योगदान होता है। नवाचार वही सतत एवं सार्थक होता है जो समाज की वर्तमान समस्याओं का प्रासंगिक हल प्रदान कर सके। साथ ही सिंधिया इंजीनियरिंग कॉलेज सोसायटी के

सचिव रमेश अग्रवाल ने सफल आयोजन के लिए शुभकामनाएं प्रदान की एवं शोध सम्मेलन अपने अपेक्षित लक्ष्यों को प्राप्त कर सके इसके लिए संस्थान प्रबंधन का हर संभव प्रयास रहे यह प्रतिबद्धता ज्ञापित की।

सम्मेलन की चेयरपर्सन डॉ. मंजरी पण्डित ने कहा कि शोध पत्रों की गुणवत्ता प्रतिवर्ष बढ़ रही है तथा सोफ्ट कम्प्युटिंग के माध्यम से सतत एवं अभिनव समाधान निकाले जा सकते हैं। अंतर्राष्ट्रीय सम्मेलन के सह आयोजक सोफ्ट कम्प्युटिंग एवं रिसर्च सोसायटी के जनरल सेक्रेटरी डॉ. जगदीश चंद्र बंसल ने कहा कि यह सोसायटी लगातार इस तरह की शोध गतिविधियों के आयोजन को संभव बनाने के लिए प्रतिबद्ध रहती है। डॉ. प्रवेश जायसवाल ने बताया कि सम्मेलन में 36 शोध पत्रों का वाचन किया गया। यह शोध पत्र 16 विभिन्न देशों (कनाडा, जापान, स्पेन, युएई, साउथ अफ्रिका, अल्जीरिया इत्यादी) के 52 तकनीकी संस्थानों के शोधार्थियों एवं विषय विशेषज्ञों ने प्रस्तुत किये। पीआरओ मुकेश मौर्य के अनुसार सम्मेलन का द्वितीय सत्र 20 नवंबर 2022 को आयोजित किया जायेगा।

एमआईटीएस में दो दिवसीय अंतर्राष्ट्रीय शोध सम्मेलन शुरू

16 देशों के 52 शोधार्थियों ने पढ़े शोधपत्र

● आचरण संवाददाता

ग्वालियर। वर्तमान तकनीकी चुनौतियों का अभिनव एवं समाधान विश्लेषण के द्वारा खोजा जा सकता है। सोफ्ट कम्प्युटिंग मशीन लर्निंग, इंटेलेजेंट सस्टेनेबल कम्प्युटिंग सिस्टम अत्यन्त प्रासंगिक सिद्ध हुई है। यह बात माधव प्रौद्योगिकी एवं विज्ञान संस्थान में आयोजित दो दिवसीय सतत एवं अभिनव समाधान विषय पर अंतर्राष्ट्रीय शोध सम्मेलन के उद्घाटन सत्र में एनबीए के चेयरमैन और मेंबर बोर्ड ऑफ गर्वनर्स एमआईटीएस के डॉ. केके अग्रवाल ने कही। वहीं उद्घाटन सत्र में ए.व्ही.बी. ट्रिपल आईटीएम डायरेक्टर डॉ. एस.एन. सिंह ने बताया कि समय प्रबंधन एवं अर्जित ज्ञान का समाज को उत्कृष्ट बनाने में अहम योगदान होता है। नवाचार वही सतत एवं सार्थक होता है जो समाज की वर्तमान समस्याओं का प्रासंगिक हल प्रदान कर सके। साथ ही सिंधिया इंजीनियरिंग कॉलेज

सोसायटी के सचिव रमेश अग्रवाल ने सफल आयोजन के लिए शुभकामनाएं प्रदान की एवं शोध



सम्मेलन अपने अपेक्षित लक्ष्यों को प्राप्त कर सके इसके लिए संस्थान प्रबंधन का हर संभव प्रयास रहे यह प्रतिबद्धता ज्ञापित की। सम्मेलन की चेयरपर्सन डॉ.

मंजरी पण्डित ने कहा कि शोध पत्रों की गुणवत्ता प्रतिवर्ष बढ़ रही है तथा सोफ्ट कम्प्युटिंग के माध्यम से सतत एवं अभिनव समाधान निकाले जा सकते हैं। अंतर्राष्ट्रीय सम्मेलन के सह आयोजक सोफ्ट कम्प्युटिंग एवं रिसर्च सोसायटी के जनरल सेक्रेटरी डॉ. जगदीश चंद्र बंसल ने कहा कि यह सोसायटी लगातार इस तरह की शोध गतिविधियों के आयोजन को संभव बनाने के लिए प्रतिबद्ध रहती है। डॉ. प्रवेश जायसवाल ने बताया कि सम्मेलन में 36 शोध पत्रों का वाचन किया गया। यह शोध पत्र 16 विभिन्न देशों (कनाडा, जापान, स्पेन, युएई, साउथ अफ्रिका, अल्जीरिया इत्यादि) के 52 तकनीकी संस्थानों के शोधार्थियों एवं विषय विशेषज्ञों ने प्रस्तुत किये। पीआरओ मुकेश मौर्य के अनुसार सम्मेलन का द्वितीय सत्र 20 नवंबर को आयोजित किया जायेगा।



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पेसमेकर हृदय रोगियों के लिए अभिनव तकनीकी समाधान है: डॉ. अग्रवाल

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वर्तमान तकनीकी चुनौतियों का अभिनव एवं सतत समाधान चुनौतियों के विश्लेषण एवं पूर्वानुमान के द्वारा खोजा जा सकता है एवं उभरते हुए तकनीकी विधियों जैसे सॉफ्ट कम्प्यूटिंग मशीन लर्निंग, इंटेलेजेंट सस्टेनेबल कम्प्यूटिंग सिस्टम अत्यन्त प्रासंगिक सिद्ध हुई है। यह उदगार माधव प्रौद्योगिकी एवं विज्ञान संस्थान ग्वालियर में आयोजित दो दिवसीय ज्वलंत तकनीकी चुनौतियों के सतत एवं अभिनव समाधान विषय पर

एमआईटीएस में अंतर्राष्ट्रीय शोध सम्मेलन शुरू



अंतर्राष्ट्रीय शोध सम्मेलन के उद्घाटन सत्र में डॉ. केके अग्रवाल चेयरमैन एनबीए एवं मेंबर बोर्ड ऑफ गवर्नर्स एमआईटीएस ग्वालियर ने व्यक्त किये। उद्घाटन सत्र में डॉ. एसएन सिंह डायरेक्टर एबीबी ट्रिपल आईटीएम ग्वालियर ने बताया कि समय प्रबंधन एवं अर्जित ज्ञान का

समाज को उत्कृष्ट बनाने में अहम योगदान होता है। नवाचार वही सतत एवं सार्थक होता है जो समाज की वर्तमान समस्याओं का प्रासंगिक हल प्रदान कर सके। एमआईटीएस के डायरेक्टर प्रो. आरके पंडित ने कहा कि संस्थान अभिनव एवं सतत तकनीकी समाधान की लगातार चौथी

अंतर्राष्ट्रीय सम्मेलन का आयोजन कर रहा है एवं यह सम्मेलन विश्व स्तरीय हो एवं अपने क्षेत्र का उत्कृष्ट आयोजन बने एवं अंतर्राष्ट्रीय शोधार्थी एवं विषय विशेषज्ञ का पारस्परिक संवाद संस्थान के फेकल्टी एवं शोधार्थियों से हो सके ताकि संस्थान नवाचारी समाधान खोजने में अपनी सार्थक योगदान दे सके। सम्मेलन की चेयरपर्सन डॉ. मंजरी पंडित ने कहा कि शोध पत्रों की गुणवत्ता प्रतिवर्ष बढ़ रही है तथा सॉफ्ट कम्प्यूटिंग के माध्यम से सतत एवं अभिनव समाधान निकाले जा सकते हैं।

पहले दिन छह तकनीकी सत्र

हुए: सम्मेलन में पहले दिन सॉफ्ट कम्प्यूटिंग टेक्नीक्स फॉर सस्टेनेबल डेवलपमेंट, सस्टेनेबल कम्प्यूटिंग एण्ड इनफार्मेशन टेक्नोलॉजी कम्प्यूटेशनल इंटेलेजेंस एण्ड मशीन लर्निंग, एमबेडेड सिस्टम एण्ड व्हीएलएसआई डिजाइन, एडवांसेड इन इंटेलेजेंट कम्प्यूटिंग, सस्टेनेबल इंजीनियरिंग सिस्टम एण्ड प्रेक्टिस सस्टेनेबल डेवलपमेंट एण्ड इनोवेशन इन टेक्नोलॉजी तकनीकी सत्र हुए। जिनमें 36 शोध पत्रों का वाचन किया गया। यह शोध पत्र 16 विभिन्न देशों के 52 तकनीकी संस्थानों के शोधार्थी एवं विषय विशेषज्ञों ने प्रस्तुत किये।

एमआईटीएस में अंतर्राष्ट्रीय शोध सम्मेलन

नवाचार वही सार्थक होता है, जो समाज की वर्तमान समस्याओं का हल दे सके

ग्वालियर @ पत्रिका. वर्तमान तकनीकी चुनौतियों का समाधान उसके विश्लेषण एवं पूर्वानुमान से खोजा जा सकता है। उभरती हुई तकनीकी विधि सॉफ्ट कम्प्यूटिंग मशीन लर्निंग, इंटेलेजेंट सस्टेनेबल कम्प्यूटिंग सिस्टम सहायक सिद्ध हुई है। यह बात शनिवार को एमआईटीएस में एनबीएके चेयरमैन डॉ. केके अग्रवाल ने अंतर्राष्ट्रीय शोध सम्मेलन के उद्घाटन अवसर पर कही। वह द्यतकनीकी चुनौतियों के सतत एवं अभिनव समाधान विषय पर बोल रहे थे। सम्मेलन के पहले दिन 36 शोध पत्र पढ़े गए। सम्मेलन में भारत के अलावा कनाडा, जापान, स्पेन, युएई, साउथ अफ्रीका, अल्जीरिया के रिसर्चर्स शामिल हुए।



शोध पत्र की गुणवत्ता बढ़ाना उद्देश्य

संस्थान के निदेशक डॉ. आरके पंडित ने कहा कि तकनीकी चुनौतियों के सतत एवं अभिनव समाधान विषय पर लगातार चौथा सम्मेलन का आयोजन हो रहा है। डीन ऑफ एकेडमिक डॉ. मंजरी पंडित ने कहा कि शोध सम्मेलन के उद्देश्य एवं प्राप्त शोध पत्रों की गुणवत्ता प्रतिवर्ष बढ़ रही है।

सॉफ्ट कम्प्यूटिंग से पा सकते हैं सस्टेनेबल डेवलपमेंट गोल का लक्ष्य

एबीबी ट्रिपल आईटीएम के निदेशक डॉ. एसएन सिंह ने कहा कि नवाचार वही सार्थक होता है, जो समाज की वर्तमान समस्याओं का हल दे सके। पहले सत्र में विद्वंस पिलानी गोवा कैंपस के प्रो. डॉ. स्नेहांशु साहा ने कहा कि सॉफ्ट कम्प्यूटिंग के प्रयोग से सस्टेनेबल डेवलपमेंट गोल के लक्ष्य को प्राप्त किया जा सकता है तथा ऑप्टिमाइजेशन एल्गोरिदम का प्रयोग करके उर्जा के महत्त्व उपयोग को बढ़ाया जा सकता है।



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स्वदेश

ग्वालियर - मुख्य संस्करण

20 Nov 2022

आयोजन

एमआईटीएस में अंतर्राष्ट्रीय शोध सम्मेलन का शुभारम्भ

तकनीकी चुनौतियों का समाधान विश्लेषण से संभव: अग्रवाल

नगर संवाददाता ■ ग्वालियर

वर्तमान तकनीकी चुनौतियों का अभिनव एवं सतत समाधान चुनौतियों के विश्लेषण एवं पूर्वानुमान के द्वारा खोजा जा सकता है। साथ ही उभरते हुए तकनीकी विधियों जैसे सॉफ्ट कम्प्यूटिंग मशीन लर्निंग, इंटेलेजेंट सस्टेनेबल कम्प्यूटिंग सिस्टम अत्यन्त प्रासंगिक सिद्ध हुई है।

यह बात माधव प्रौद्योगिकी एवं विज्ञान संस्थान में आयोजित दो दिवसीय ज्वलंत तकनीकी चुनौतियों के सतत एवं अभिनव समाधान विषय पर अंतर्राष्ट्रीय शोध सम्मेलन के उद्घाटन सत्र में डॉ. के.के. अग्रवाल चेयरमैन एनबीए एवं मेंबर बोर्ड ऑफ गवर्नर्स एमआईटीएस ने व्यक्त किए। उद्घाटन सत्र में एबीबी



ट्रिपल आईटीएम के निदेशक डॉ. एस.एन. सिंह ने कहा कि समय प्रबंधन एवं अर्जित ज्ञान का समाज को उत्कृष्ट बनाने में अहम योगदान होता है। नवाचार वही सतत एवं सार्थक होता है जो समाज की वर्तमान समस्याओं का प्रासंगिक हल प्रदान कर सके। सिंधिया इंजीनियरिंग

कॉलेज सोसायटी के सचिव रमेश अग्रवाल ने अंतर्राष्ट्रीय शोध सम्मेलन के सफल एवं सार्थक आयोजन के लिए शुभकामनाएं प्रदान कीं। इस अवसर पर विशेष रूप से संस्थान के निदेशक डॉ. आर. के. पण्डित, सम्मेलन के सह आयोजक सॉफ्ट कम्प्यूटिंग एवं रिसर्च

सोसायटी के महासचिव डॉ. जगदीश चंद्र बंसल, डॉ. स्नेहांशु साहा, प्रोफेसर विद्रस पिलानी गोवा कैम्पस ने भी व्याख्यान दिया।

संस्थान के प्रवक्ता मुकेश मौर्य ने बताया कि सम्मेलन में 36 शोध पत्रों का वाचन किया गया। यह शोध पत्र 16 विभिन्न देशों (कनाडा, जापान, स्पेन, यूएई, साउथ अफ्रीका, अल्जीरिया आदि) के 52 तकनीकी संस्थानों के शोधार्थियों एवं विषय विशेषज्ञों ने प्रस्तुत किए। साथ ही सम्मेलन का द्वितीय सत्र 20 नवंबर को आयोजित किया जाएगा। जिसमें पांच तकनीकी सत्रों में तीस शोधपत्रों का वाचन होगा एवं डॉ. सत्यसाई जगन्नाथ नंदा सीनियर मेंबर आई ट्रिपल ई एवं प्रोफेसर एमएनआईटी जयपुर का मुख्य तकनीकी उद्बोधन होगा।

नवाचार वही जो समाज की वर्तमान समस्याओं को हल कर सके

ग्वालियर ■ राज न्यूज नेटवर्क

वर्तमान तकनीकी चुनौतियों का अभिनव एवं समाधान विश्लेषण के द्वारा खोजा जा सकता है। सॉफ्ट कम्प्यूटिंग मशीन लर्निंग, इंटेलेजेंट सस्टेनेबल कम्प्यूटिंग सिस्टम अत्यन्त प्रासंगिक सिद्ध हुई है। यह बात माधव प्रौद्योगिकी एवं विज्ञान संस्थान में आयोजित दो दिवसीय सतत एवं अभिनव समाधान विषय पर अंतर्राष्ट्रीय शोध सम्मेलन के उद्घाटन सत्र में एनबीए के चेयरमैन और मेंबर बोर्ड ऑफ गवर्नर्स एमआईटीएस के डॉ. केके अग्रवाल ने कही।

वहीं उद्घाटन सत्र में एबीबी ट्रिपल आईटीएम डायरेक्टर डॉ. एसएन सिंह ने बताया कि समय प्रबंधन एवं अर्जित ज्ञान का



समाज को उत्कृष्ट बनाने में अहम योगदान होता है। नवाचार वही सतत एवं सार्थक होता है जो समाज की वर्तमान समस्याओं का प्रासंगिक हल प्रदान कर सके। साथ ही सिंधिया इंजीनियरिंग कॉलेज सोसायटी के

सचिव रमेश अग्रवाल ने सफल आयोजन के लिए शुभकामनाएं प्रदान की एवं शोध सम्मेलन अपने अपेक्षित लक्ष्यों को प्राप्त कर सके इसके लिए संस्थान प्रबंधन का हर संभव प्रयास रहे यह प्रतिबद्धता ज्ञापित की।

सम्मेलन की चेयरपर्सन डॉ. मंजरी पण्डित ने कहा कि शोध पत्रों की गुणवत्ता प्रतिवर्ष बढ़ रही है तथा सॉफ्ट कम्प्यूटिंग के माध्यम से सतत एवं अभिनव समाधान निकाले जा सकते हैं। अंतर्राष्ट्रीय सम्मेलन के सह आयोजक सॉफ्ट कम्प्यूटिंग एवं रिसर्च सोसायटी के जनरल सेक्रेटरी डॉ. जगदीश चंद्र बंसल ने कहा कि यह सोसायटी लगातार इस तरह की शोध गतिविधियों के आयोजन को संभव बनाने के लिए प्रतिबद्ध रहती है। डॉ. प्रवेश जायसवाल ने बताया कि सम्मेलन में 36 शोध पत्रों का वाचन किया गया। यह शोध पत्र 16 विभिन्न देशों (कनाडा, जापान, स्पेन, यूएई, साउथ अफ्रीका, अल्जीरिया इत्यादी) के 52 तकनीकी संस्थानों के शोधार्थियों एवं विषय विशेषज्ञों ने प्रस्तुत किए। पीआरओ मुकेश मौर्य के अनुसार सम्मेलन का द्वितीय सत्र 20 नवंबर 2022 को आयोजित किया जाएगा।



ग्वालियर 20-11-2022

एमआईटीएस: अंतर्राष्ट्रीय शोध सम्मेलन में पहले दिन 52 शोधपत्र प्रस्तुत किए तकनीक से ही वर्तमान समस्याओं का निदान हो सकता है: डॉ. अग्रवाल

एजुकेशन रिपोर्टर | ग्वालियर

तकनीक से परिस्थितियों का विश्लेषण कर समस्याओं का पूर्वानुमान खोजा जा सकता है। तकनीक में जैसे सॉफ्ट कम्प्यूटिंग मशीन लर्निंग, इंटेलेजेंट सस्टेनेबल कम्प्यूटिंग सिस्टम वर्तमान में अत्यंत उपयोगी साबित हुई हैं। यह बात माधव प्रौद्योगिकी एवं विज्ञान संस्थान (एमआईटीएस) में आयोजित दो दिवसीय ज्वलंत तकनीक चुनौतियों के सतत एवं अभिनव समाधान विषय पर अंतरराष्ट्रीय शोध सम्मेलन के उद्घाटन सत्र में डॉ. केके अग्रवाल चेयरमैन नेशनल बोर्ड ऑफ एंक्रिडिटेशन एवं मेंबर बोर्ड ऑफ गवर्नर्स एमआईटीएस ग्वालियर ने कही। उद्घाटन सत्र में डॉ. एसएन सिंह डायरेक्टर एबीवी. ट्रिपल आईटीएम ने कहा कि समय प्रबंधन एवं अर्जित ज्ञान का समाज को उत्कृष्ट बनाने में अहम योगदान होता है। इस मौके पर चेयर पर्सन डॉ. मंजरी पंडित डीन अकादमिक, डॉ. स्नेहांशु साहा प्रोफेसर पिलानी गोवा कैम्पस आदि मौजूद थे। सम्मेलन के सह आयोजक सॉफ्ट कम्प्यूटिंग एवं रिसर्च सोसायटी के



एमआईटीएस में आयोजित अंतरराष्ट्रीय शोध सम्मेलन में मौजूद अतिथि।

जनरल सेक्रेटरी डॉ. जगदीश चंद्र बंसल ने कहा कि यह सोसायटी लगातार इस तरह की शोध गतिविधियों के आयोजन को संभव बनाने के लिए प्रतिबद्ध रहती है। डॉ. प्रवेश जायसवालने बताया कि सम्मेलन में 36 शोध पत्रों को प्रस्तुत किया गया। यह शोध पत्र 16 विभिन्न देशों (कनाडा, जापान, स्पेन, युएई, साउथ अफ्रिका, अल्जीरिया आदि) के 52 तकनीकी संस्थानों के शोधार्थियों एवं विषय विशेषज्ञों ने प्रस्तुत किये। संस्थान के जनसंपर्क अधिकारी मुकेश मौर्य के अनुसार सम्मेलन का द्वितीय सत्र 20 नवंबर को आयोजित किया जाएगा जिसमें पांच तकनीकी सत्र में 30 शोधपत्रों का वाचन किया जाएगा।

शोध का टॉपिक ऐसा चुनें, जो सभी के लिए उपयोगी हो: प्रो. त्रिपाठी

हमारी कोशिश होनी चाहिए कि शोध का टॉपिक ऐसा चुनें, जो सभी के लिए उपयोगी है। इसलिए इसका चयन सोच-समझकर करें। यह बात प्रो. एमएम त्रिपाठी ने कही। वे अटल बिहारी वाजपेयी इंडियन इंस्टीट्यूट ऑफ इन्फॉर्मेशन टेक्नोलॉजी एंड मैनेजमेंट (एबीवी ट्रिपल आईटीएम) में आयोजित सीआईसीटी सम्मेलन में बोल रहे थे। इससे पहले आईआईटी दिल्ली से आए प्रो. एसडी जोशी ने बेसिक कॉन्सेप्ट ऑफ लीनियर एलजेबरा के बारे में चर्चा की।



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शक पंजीयन क्र. 173/15-17 5 हार्दिक पांडेया बन सकते हैं कैप्टन हिटमैन कडे टेर में लीड करते रहेंगे समापदकीय रिजर्व बलाम आचरण निवेशको के लिए नए शेयर खरीदने का एक और मौका. आने वाला है 5
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नई तकनीकी विधियों से कई समाधान संभव हो गये हैं : डॉ. अग्रवाल एमआईटीएस में अंतर्राष्ट्रीय शोध सम्मेलन प्रारंभ

ग्वालियर। वर्तमान तकनीकी चुनौतियों का समाज को उत्कृष्ट बनाने में अहम योगदान होता अभिनव एवं सतत समाधान चुनौतियों के है। विश्लेषण एवं पूर्वानुमान के द्वारा खोजा जा सकता है एवं उभरते हुए तकनीकी विधियों जैसे सोफ्ट कम्प्यूटिंग मशीन लर्निंग, इंटेलेजेंट सस्टेनेबल कम्प्यूटिंग सिस्टम अत्यन्त प्रासंगिक सिद्ध हुई है। यह उदगार माधव प्रौद्योगिकी एवं विज्ञान संस्थान ग्वालियर में आयोजित दो दिवसीय ज्वलंत तकनीकी चुनौतियों के सतत एवं अभिनव समाधान विषय पर अंतर्राष्ट्रीय शोध सम्मेलन के उद्घाटन सत्र में डॉ. के. के. अग्रवाल चेयरमैन एनबीए एवं मेंबर बोर्ड ऑफ गर्वनर्स एमआईटीएस ग्वालियर ने व्यक्त किये। उद्घाटन सत्र में डॉ. एस.एन. सिंह डायरेक्टर ए.न्ही. बी. ट्रिपल आईटीएम ग्वालियर ने बताया कि समय प्रबंधन एवं अर्जित ज्ञान का



संस्थान द्वारा चौथी अंतर्राष्ट्रीय सम्मेलन का आयोजन किया गया है। यह सम्मेलन विश्व स्तरीय हो एवं अपने क्षेत्र का उत्कृष्ट आयोजन बने एवं अंतर्राष्ट्रीय शोधार्थी एवं विषय विशेषज्ञ का पारस्परिक संवाद संस्थान के फेकल्टी एवं

शोधार्थियों से हो सके ताकि संस्थान नवाचारी समाधान खोजने में अपनी सार्थक योगदान दे सके। इस तरह की प्रतिबद्धता उद्घाटन सत्र में संस्थान के निदेशक डॉ. आर. के. पण्डित ने व्यक्त किये।

डॉ. प्रवेश जायसवाल प्रोग्राम चेयर ने बताया कि उक्त सम्मेलन में पहले दिन 36 शोध पत्रों का वाचन किया गया। यह शोध पत्र 16 विभिन्न देशों (कनाडा, जापान, स्पेन, युएई, साउथ अफ्रिका, अल्जीरिया इत्यादी) के 52 तकनीकी संस्थानों के शोधार्थियों एवं विषय विशेषज्ञों ने प्रस्तुत किये।

पीआरओ मुकेश मौर्य ने बताया कि आज रविवार को द्वितीय सत्र में तीस शोधपत्रों का वाचन किया जावेगा एवं डॉ. सत्यसाई जगन्नाथ नंदा सीनियर मेंबर आई टिपल ई एवं प्रोफेसर एमएनआईटी जयपुर का मुख्य तकनीकी उद्बोधन होगा।



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एमआइटीएस में अंतरराष्ट्रीय शोध सम्मेलन

नवाचार वही सार्थक होता है, जो समाज की वर्तमान समस्याओं का हल दे सके

ग्वालियर @ पत्रिका. वर्तमान तकनीकी चुनौतियों का समाधान उसके विश्लेषण एवं पूर्वानुमान से खोजा जा सकता है। उभरती हुई तकनीकी विधि सॉफ्ट कंप्यूटिंग मशीन लर्निंग, इंटेलेजेंट सस्टेनेबल कम्प्यूटिंग सिस्टम सहायक सिद्ध हुई है। यह बात शनिवार को एमआइटीएस में एनबीएके चेयरमैन डॉ. केके अग्रवाल ने अंतरराष्ट्रीय शोध सम्मेलन के उद्घाटन अवसर पर कही। वह अतकनीकी चुनौतियों के सतत एवं अभिनव समाधान विषय पर बोल रहे थे। सम्मेलन के पहले दिन 36 शोध पत्र पढ़े गए। सम्मेलन में भारत के अलावा कनाडा, जापान, स्पेन, युएई, साउथ अफ्रीका, अल्जीरिया के रिसर्चर्स शामिल हुए।



शोध पत्र की गुणवत्ता बढ़ाना उद्देश्य

संस्थान के निदेशक डॉ. आरके पण्डित ने कहा कि तकनीकी चुनौतियों के सतत एवं अभिनव समाधान विषय पर लगातार चौथा सम्मेलन का आयोजन हो रहा है। डीन ऑफ एकेडमिक डॉ. मंजरी पंडित ने कहा कि शोध सम्मेलन के उद्देश्य एवं प्राप्त शोध पत्रों की गुणवत्ता प्रतिवर्ष बढ़ रही है।

सॉफ्ट कंप्यूटिंग से पा सकते हैं सस्टेनेबल डवलपमेंट गोल का लक्ष्य

एबीवी ट्रिपल आइटीएम के निदेशक डॉ. एसएन सिंह ने कहा कि नवाचार वही सार्थक होता है, जो समाज की वर्तमान समस्याओं का हल दे सके। पहले सत्र में विद्रस पिलानी गोवा कैंपस के प्रो. डॉ. स्नेहाशू साहा ने कहा कि सॉफ्ट कंप्यूटिंग के प्रयोग से सस्टेनेबल डवलपमेंट गोल के लक्ष्य को प्राप्त किया जा सकता है तथा ऑप्टिमाइजेशन एल्गोरिदम का प्रयोग करके उर्जा के महत्तम उपयोग को बढ़ाया जा सकता है।

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