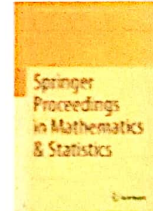# 1st International Conference on
Computing for Science, Engineering & Artificial Intelligence
CSEAi 2023
17-18th November 2023
(Hybrid mode)

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, Permanently Affiliated to JNTUGV, Vizianagaram
TAMARAM (V), MAKAVARAPALEM (M), NARSIPATNAM (R D), ANAKAPALLE – Dist. - 531113

Session - 11
Computational Intelligence for Engineering Sciences and It's Application

Chair Members:

Dr. C.P.V.N.J. Mohan Rao
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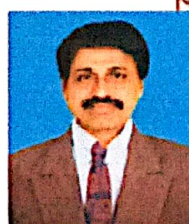JNTU GV, Vizianagaram, AP, India.
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Submission Guidelines

Papers reporting original* and unpublished research results pertaining to the related topics are solicited. *(papers with plagiarism more than 30% will be out rightly rejected)

Full paper manuscripts must be in English of up to 10 pages as per format.

For authors convenience, Springer has summarized the in the Author Guidelines document how a proceedings paper should be structured, how elements (headings, figures, references) should be formatted using our predefined styles, etc. The PDF of the Authors Guidelines can be downloaded from the given link or as part of the zip files containing the complete sets of instructions and templates for the different text preparation systems. Springer has developed LaTeX style files and Word templates to help prepare papers. LaTeX is the preferred format for texts containing several formulae, but Word templates are also available on the following link :

https://www.springer.com/gp/authors-editors/conference-proceedings/conference-proceedings-guidelines

Submissions should **NOT** include the author(s) affiliation(s), e-mail address(es), and postal address(es in the manuscripts. Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Paper submission implies the intent of at least one of the authors to register and present the paper, if accepted.

Presentation through Virtual Platform

Amid prevailing conditions due to COVID19, a virtual meeting platform may be made available for all registered authors who intend to submit their work but are unable to attend the conference. Authors may register and present their paper through the virtual platform. Authors shall be sent a Certificate of Participation, Conference Proceedings link and relevant literature by mail.
https://www.scopus.com/sourceid/21100255398

CSEAi 2023 aims to provide a forum for researchers from both academia and industry to share their latest research contributions future vision in the field and potential impact across industries of Computer Science and artificial Intelligence. CSEAI 2023 conference focuses on computing concepts and mathematical techniques in Science, Engineering and AI. This conference embarks on a journey through the essential mathematical landscapes: Linear Algebra's transformative equations, Calculus' optimization symposiums Probability's uncertain terrain, and more. It brings together the tapestry of computing methods and mathematical equations that defin the very essence of Artificial Intelligence, illuminating the path to mastery in this dynamic realm. Join us, 17-18 November 2023, to explore discovery, progress, and achievements related to various Data Science and Artificial Intelligence. The CSEAi 2023 will provid its attendees with an uncommon opportunity to expand their network beyond their immediate professional environment. It is a uniqu chance to work with other accomplished individuals from diverse areas toward the common goal of shaping the future c communication, computing, and society. https://cseai2023.iaasse.org/sessions.html

Topics of interest include, but are not limited to, the following:

- Image Acquisition & Medical Image Processing
- Visualization
- Image Coding and Compression
- Face Recognition & Super-Resolution Imaging
- Image Segmentation
- Image-based modeling

- 3-D and Surface Reconstruction
- 3D and Stereo Imaging
- Applications (Bioinformatics etc)
- Audio/Speech Processing and Coding
- Content-Based Image Retrieval
- Watermarking

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- Knowledge Representation and High-Level Vision
- Medical Image Analysis
- Cognitive and Biologically-Inspired Vision
- Motion and Tracking Stereo and Structure from Motion
- Multidimensional Signal Processing
- Multi-View Geometry
- Neural Networks and Genetic Algorithms
- Object Detection, Recognition, and Categorization
- Pattern Recognition in New Modalities

- PDE for Image Processing
- Color and Texture
- Computer Vision & VR
- Pattern Recognition and Analysis
- Data mining Techniques
- Biometric and Pattern Recognition
- Filter Design and Structures
- FIR, IIR, and Adaptive Filters
- Biomedical Imaging Technologie

☞ **Submission :** https://equinocs.springernature.com/service/CSEAI2023

🕐 *** Important Dates / Deadlines / FEES ***

Submission of **Paper**	**: 25 October 2023**
Notification of **Acceptance**	**: 01 November 2023**
Early Bird Registration	**: 02 November 2023**
Oral Presentation of selected works	**: 17-18 November 2023**
Submission of **Final paper**	**: December 31, 2023**
Online Paper Tentative	**: June 30, 2024**

The CSEAI 2023 registration fees are as follows, and must be paid in USD or in local currency as per the current exchange rate.

Important Dates and Registration Fees

Category	Early Bird: on or before October 31, 2023		Regular Registration: November 01, 2023 - Till November 05, 2023		Spot Registration: November 19, 2023	
	IAASSE Members	Non Members	IAASSE Members	Non Members	IAASSE Members	Non Members
Full Time Students	70.00	95.00	95.00	125.00	120.00	150.00
Faculty/ Research Scholars	95.00	120.00	120.00	145.00	145.00	165.00
Industry	110.00	135.00	135.00	160.00	160.00	180.00

🔺 ** About Session Chair **

Dr· C P V N J Mohan Rao currently serves as an Professor in the Department of Computer Science and Engineering, Avanthi Institute of Technology, Makavalapalem has 28 years of teaching experience and has published more than 30 papers in reputed journals. He has supervised 1 Ph.D. student, is currently supervising 2 Ph.D. students, and has supervised more than 40 M.Tech projects. Recipient of the Best Teacher Award from JNTUK in 2010. Fellow of the Institute of Engineers, India and Life Member of CSI. Served as a reviewer for many reputed journals.

Dr Ennam Govinda, working as an Professor&HOD in theDepartment of Electronics and Communication Engineering at Avanthi Institute of Engineering and Technology,Tamaram,Anakapalli(District)-531113, Andhra Pradesh, India. He completed hisB.Tech from V.R Siddharadha Engineering College, Vijayawada andM. Tech(DSCE) from JNTUH ,Hyderabad and Ph.D from GITAM University, Visakhapatnam. He has more than 20 years of Teaching experience in the field of Electronics and Communication Engineering. He published 20+ Research papers in various reputed (UGC approved, Scopus/ SCI / Web of Science) International and National Journals, magazines, and conferences. He attended 16 workshops and he is a member of different professional bodies like IEEE, MIE, IETE etc. He Guided 3 PG and more than 50 UG academic projects. His area of research is in Image Processing, Antennas, Machine Learning etc.

Dr.T.Srinivasarao working as a Professor and HOD in the Department of Electrical and Electronics Engineering Avanthi institute of engineering and technology, Visakhapatnam, has about 22 years of teaching experience. He received his B.E degree in Electrical and Electronics Engineering from Andhra University and M.E. degree in Power Systems Engineering from JNTU, Hyderabad. PhD. in Electrical Engineering from Andhra University. He has published 27 research papers in refereed international journals and 20 research papers in the proceedings of various international conferences. He has two patents Indian and Australian patents on IOT and Machine learning application to power systems. He has an author for text book on High voltage Engineering published by notion press. He has received best paper awards for his research paper at international conference. His areas of research include Power systems analysis, power system stability, Interval arithmetic application to power systems, Renewable energy systems, Micro grid, Power electronics, Power electronics drives, and High voltage engineering. He is an active member of IEEE and IEI.

Dr. R Prasadrao is working as Professor in the Dept of ECE and Vice principal at Avanthi Institute of Engineering and Technology, Makavarapalem, Ankapalli affiliated to JNTUGV , AP, India. He obtained his Graduation in Electronics and Communication Engineering, Andhra University, Post-Graduation in DSCE JNTU Hyderabad, Doctorate in Electronics and Communication Engineering, GITAM University.He has more than 20 years of Teaching experience in the field of Electronics and Communication Engineering.He has published 18+ research papers in various National and International Journals of repute. He has published 02 textbooks. He has participated in 23 National and International Conferences/Seminars/Workshops. He is a recipient of Best Paper Award in IASET: International Journal of Electronics and Communication Engineering (IJECE). He is a Member of Institution of Engineers (India) and Member of Indian Society for Technical Education (ISTE). His area of research in Antennas and EM field theory. He Guided 5 PG and more than 50 UG academic projects.He has done several courses in different on line platforms like NPTEL and Coursera.

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Dr. Challa Suresh is currently working as an Associate Professor of Mechanical Engineering in Avanthi Institute of Engineering & Technology, Narsipatanam, Visakhapatnam, India. He obtained his Graduation in Electronics and Communication Engineering, JNTUK in 2011, Post-Graduation in Mechanical Engineering, Andhra University in 2013, AMIE in Mechanical Engineering in 2015, The Institution in Engineers (India) and Doctorate in Mechanical Engineering, Andhra University in 2019. He has worked as Project Fellow, UGC-SAP-CAS-I for the grant of Rs.129.60 Lakhs during March 2017 – June 2019 in the Department of Mechanical Engineering, Andhra University, Visakhapatnam. He has published 25 research papers in various National and International Journals of repute 2 Patent Published and presented 35 research papers in National and International Conferences/Seminars. He has participated in 51 National and International FDPs/Conferences/Seminars/Workshops. He is a recipient of Best Paper Award in Marine Engineering Division from The Institution of Engineers (India), 2016 & 2018. He is a Active Member of various professional bodies and Former Council Member in The Institution of Engineers (India), Kolkata

Dr. A Srinivasa Rao, currently serving as Professor and Head of the Department of Basic Science and Humanities at Avanthi Institute of Engineering and Technology, Makavarpalem, is a seasoned author with 30 years of combined experience in teaching and administration. Holding an M.Sc. in Mathematics with the distinction of ranking 2nd at Andhra University in the 1989-1991 batch, Rao's career highlights include guiding students to achieve the State 1st Rank in I.P.E. March 1999 during his tenure at Sri Prakash Junior College, Payakaraopeta. His expertise continues to shape the academic landscape.

If you have any queries.

Please Contact :

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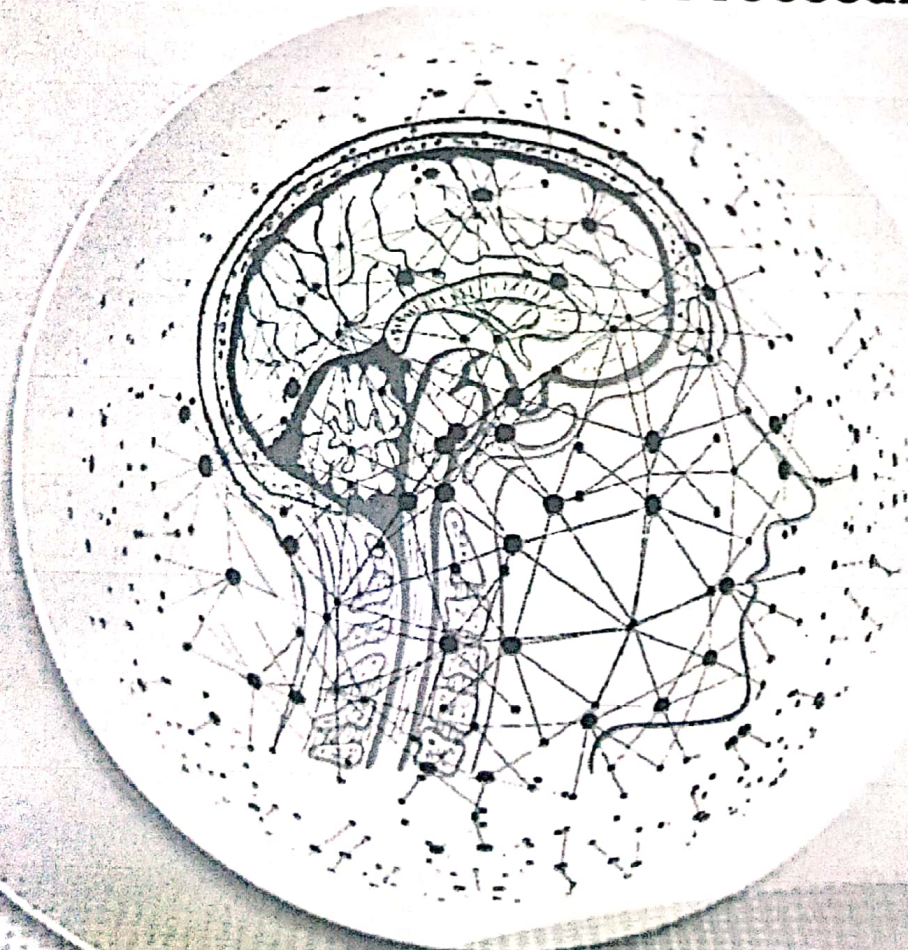Anakapalli District., Pin: 531 113

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1st International Conference on Computing for Science, Engineering & Artificial Intelligence 2023
CSEAi 2023

17-18th November 2023

Book of Abstract Conference Proceedings

Editors :
Dr. Rama Rao Adimalla
Bosubabu Sambana
P J V G Prakasa Rao

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About CSEAi 2023

This CSEAi 2023 conference will provide an excellent international forum for sharing knowledge and results in the theory and applications of Artificial Intelligence, Security, and Communication, Machine Learning, Deep Learning, Computer Networks, the Internet of Things, Data Science, and similar CSE fields. Original papers are invited on Networks, the Internet of Things, and security. The conference aims to provide a platform for researchers and practitioners from academia and industry to meet and share cutting-edge development in the field of Innovation and Creativity.

The theme on

" Green Technologies for Sustainability Development of Knowledgeable Curiosity Minds "

Workshops on :

International – " Emerging Engineering Technologies for Innovative Research Applications "

National – " Advanced Engineering Applications for Computational Intelligence "

Webinar – "Hands-on Experience on Research Tools "

Awards Category:

- Best Paper Award for Each Session
- Best Scientific Paper Award
- Best Researcher Award
- Best Paper Award
- Best Student Paper Award
- Women Scientist Award
- Women Researcher Award

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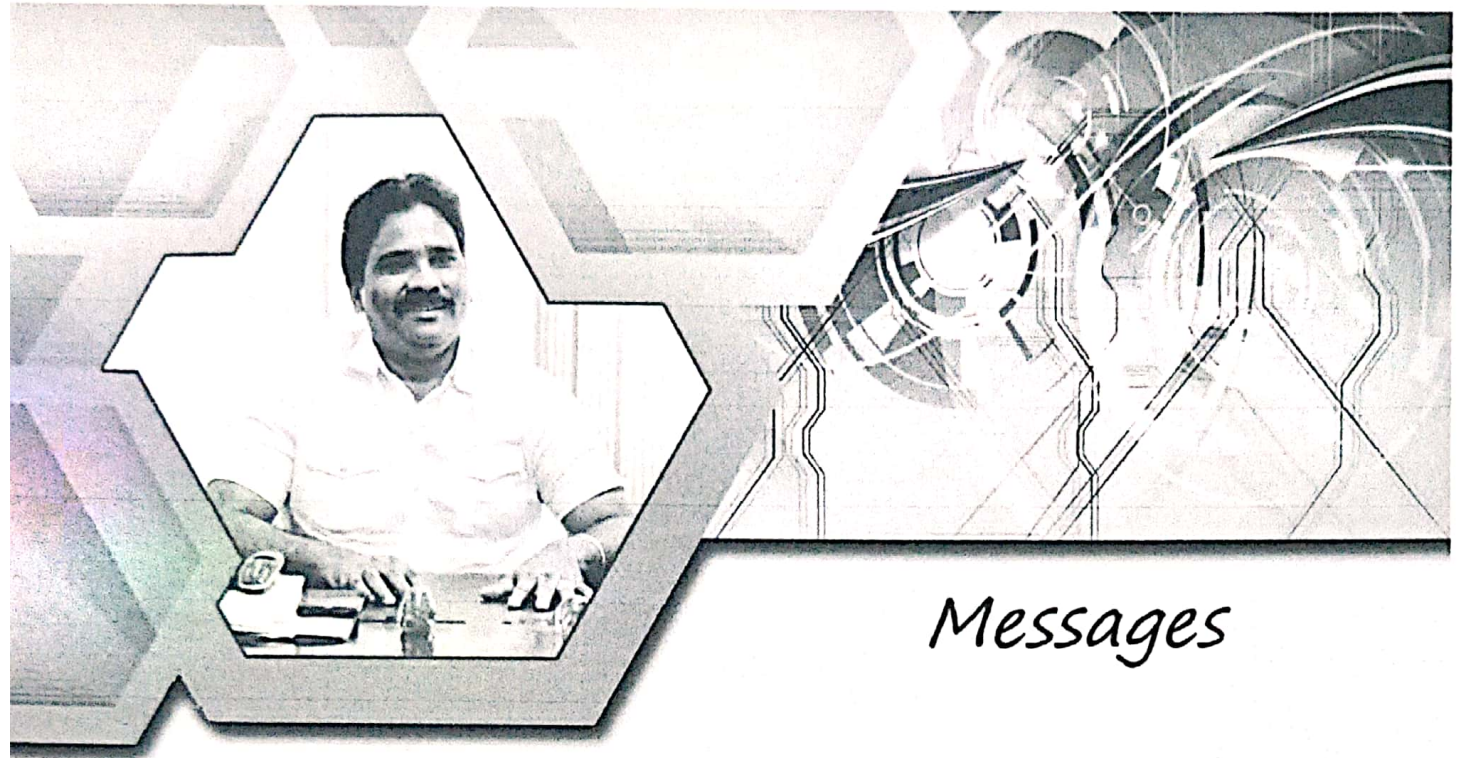Anakapalli District., Pin: 531 113

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Messages

Lendi Institute of Engineering & Technology is committed to delivering a comprehensive educational experience that extends beyond academic instruction. Recognizing the inherent potential and vitality of the youth in our care, we aim to shape them effectively for an abstract and uncertain future. I am pleased to learn about the initiative taken by the Department of Computer Science & Engineering in organizing the 1st International Conference on "Computing for Science, Engineering, and Artificial Intelligence (CSEAi-2023)".In the realm of education, it is imperative for academic institutions to not only impart knowledge but also actively contribute to training and innovation in research. The conference's theme aligns well with the imperative to leverage scientific principles for achieving quality and productivity. I am gratified to observe that Lendi Institute of Engineering & Technology is actively engaging neighboring institutes in various academic and research endeavors, with this conference garnering positive responses from delegates. My sincere wishes and appreciation extend to the organizing team for their efforts in ensuring the success of this significant academic event.

Shri P.Madhusudana Rao
CHAIRMAN, LIET

Principal
Avanthi Institute of Engg. & Technology
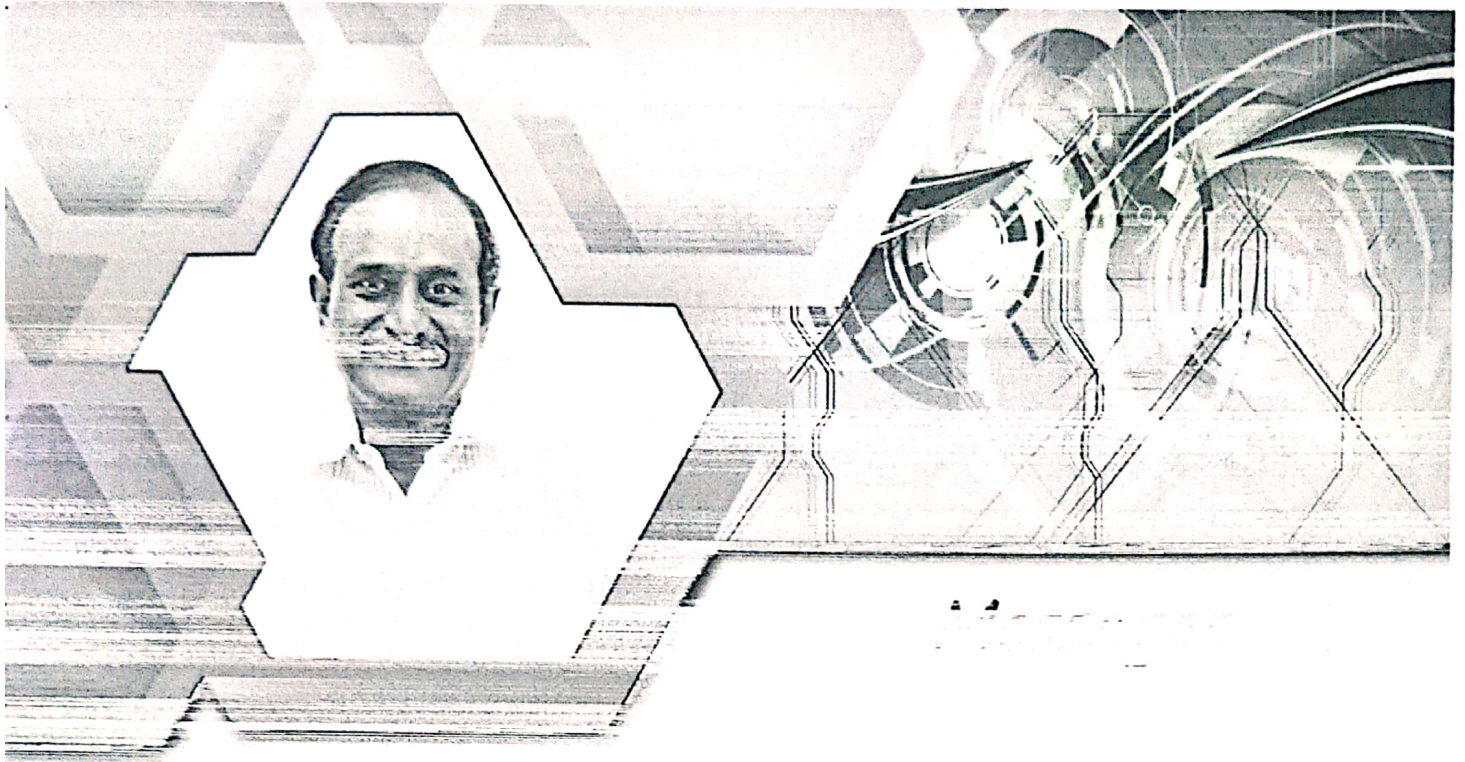Tamaram, Makavarapalem Md.,
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Messages

I take great pride in announcing that our institution is hosting the 1st International Conference on "Computing for Science, Engineering, and Artificial Intelligence (CSEAi-2023)". Additionally, it brings me immense joy to share that the conference is being organized in collaboration with Springer, marking the third occasion for our esteemed Computer Science & Engineering Department. The department, playing a pivotal role, brings together professors, researchers, and practicing engineers to engage in meaningful discussions on diverse aspects of design and emerging applications in the field. This conference serves as a platform to convey the message that excellence in research can only be achieved through the application of scientific principles and techniques. I am particularly pleased to witness the overwhelming response from both industry and academia, with their active participation in this conference. It is my firm belief that the event will serve as an excellent forum for fostering interaction between industry and academia. I extend my best wishes for the success of the conference.

Shri. P. Srinivasa Rao
VICE CHAIRMAN, LIET

Principal
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Engineers play a pivotal and crucial role in the process of Nation Building. Their utilization of cutting-edge technologies leads to the creation of innovative solutions, enhancing the comfort, security, and productivity of human life. In the contemporary landscape, the world is undergoing transformative engineering experiences, with notable impacts on the field of management, contributing to economic prosperity and an improved lifestyle for the modern world. The upcoming 1st International Conference on "Computing for Science, Engineering, and Artificial Intelligence (CSEAI-2023)" is anticipated to showcase excellence in engineering through its insightful deliberations. I extend my commendations to the Computer Science and Engineering Department for spearheading this unique international conference with novel aspects. My appreciation goes to the entire team, which has diligently worked over the past year to organize this event.On behalf of the management, I convey my heartfelt best wishes for the success of this Conference, and I extend my sincerest wishes for good luck to all the participants.

Shri. K. Siva Rama Krishna
SECRETATRY, IJET

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Messages

It is with great pleasure that I extend a warm welcome to all participants of the 1st International Conference on Computing for Science, Engineering, and Artificial Intelligence (CSEAi-2023). This conference is organized by the Department of Computer Science & Engineering at Lendi Institute of Engineering and Technology in collaboration with California State University, USA.

I would like to express my appreciation for the dedicated efforts of our esteemed professors who consistently inspire a spirit of inquiry among students. This conference is envisioned to contribute to the development of such endeavors. I am optimistic that the discussions held during the conference will prove beneficial for researchers in both academia and industry, providing a platform for the initiation of collaborative research projects.

My best wishes extend to all participants, invited delegates, and speakers, with the hope that CSEAi-2023 will be a resounding success. Our intention is to establish this event as an annual tradition, aiming not only to facilitate discussions on contemporary issues but also to foster a culture of academic exchange, a crucial element for achieving excellence in this field.

I look forward to welcoming you all next year with an even more diverse and enriched program. Wishing you continued success and progress in your academic pursuits.

Dr. V.V. Rama Reddy
PRINCIPAL, LIET

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Messages

I am looking forward to an interesting and successful conference which brings togther people from all over the world to exchange and discuss in the field of Computer Science & Engineering. This is the 1st International Conference on Computing Science, Engineering and Artificial Intelligence (CSEAi) 2023" to be held in Lendi Institute of Engineering & Technology, Vizianagaram during 17th - 18th November 2022.

The Conference is the perfect forum for researchers to network, collaborate and meet world renowned expert to learn, share and solve problems through discussion. I expect Several high quality deliberations from specialists which will help young researchers to learn.

I Convey my Warm greeting to all participants and congratulate organizing members for grand success of the event.

Prof. G. Jaya Suma
Hon'ble Registrar, JNTU GV,

Vizianagaram, AP, India

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Messages

As s Co-Convenor of the 1st International Conference on "Computing for Science, Engineering, and Artificial Intelligence (CSEAi-2023)", I am enthused by the prospect of fostering a dynamic platform for interdisciplinary discussions and knowledge exchange. This conference holds immense importance in bridging global perspectives, and I anticipate it will catalyze groundbreaking collaborations and insights in the realms of science, engineering, and artificial intelligence. With the participation of esteemed researchers, professionals, and scholars, my expectation is that CSEAi-2023 will not only disseminate cutting-edge research but also inspire future innovations that resonate on an international scale. Together, let us embark on this intellectual journey, shaping the conference into a beacon of excellence in the diverse landscape of computing. I extend my heartfelt gratitude to Mr. N.P. Patnaik(Coordinator), and the dedicated team of CSE Staff, reviewers, editorial members, Organizing Committee, and student volunteers. Their invaluable support has played a pivotal role in bringing CSEAi to fruition.

Dr. A. Rama Rao

Co-Convenor, CSEAi-2023

Professor & HOD - CSE, LIET

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Messages

I am pleased to announce that the Computer Science and Engineering (CSE) department at LENDI Institute of Engineering and Technology is set to host the inaugural 1st International Conference on "Computing for Science, Engineering, and Artificial Intelligence (CSEAi-2023)". Our conference has experienced a consistent increase in the submission of high-quality research articles. Notably, the success of CSEAi-2023 can be attributed to the significant presence of key experts and researchers who will actively participate in keynote sessions and discussions. It is noteworthy that certain authors have become regular attendees, indicating the conference's positive impact on their research endeavors. As the International Program Chair, I express my anticipation that the CSEAi-2023 team will continue to flourish in the years to come, leaving a more substantial imprint on the international research community. The commitment to fostering an environment conducive to knowledge exchange and impactful discussions remains a cornerstone of our conference's success. I extend my best wishes for the continued growth and success of CSEAi-2023, aiming to make lasting contributions to the global research landscape.

Mr. Bosubabu Sambana

Convenor, Editor , International Organizing & Program Chair,

CSEAI-2023

Associate Professor, LIET

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Messages

It is gratifying to observe that the Lendi Institute of Engineering and Technology will host the inaugural 1st International Conference on "Computing for Science, Engineering, and Artificial Intelligence (CSEAi-2023)." These esteemed conferences serve not only as a platform for researchers to convene and exchange ideas on a global scale but also significantly contribute to fostering an intellectually vibrant environment within the hosting institution. I anticipate that the conference's culmination will yield valuable insights and conclusions, with potential benefits extending to both our nation and the international community. I extend a warm welcome to all participants and wish them a rewarding and satisfying experience throughout the conference.

Mr.J.V.G.Prakasa Rao Pyla

Co-Convenor, CSEAi-2023

Asst.Prof - CSE, LIET

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1st International Conference on Computing for Science, Engineering & Artificial Intelligence (CSEAi) 2023
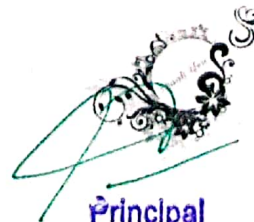
17 – 18th, November 2023

Jointly Organized by

California State University USA , Lendi Institute of Engineering & Technology India and IAASSE

Conference Program Schedule cum Agenda

Conference Theme

" Emerging Engineering Technologies for Innovative Research Applications for Eco-Environment Friendly Society "

Day-1: Morning (FN)	Friday – 17 * November 2023
09:00- 11:00 PM	**Registration** ▪ Conference KIT Issues ▪ Participate Certificates will be issued after the Workshop, Seminar, and Conference at the Registration Desk ▪ Paper Presentation certificate issued during the session ▪ Grievance welcome
Inaugural Session Venue: Ground Floor @ Conference / Seminar Hall	
09:45 – 09:45	Welcome to guests on the Dias & Greetings with Bouquet
09:45 – 09:50	Inauguration by lighting Lamps and Followed by Prayer Song
09:50 – 10:05	▪ Grand Opening on **Book of Abstract Conference Proceedings** Welcome address by **Bosubabu Sambana** Convenor, Organizing and Program Chair & Editor ▪ opening remarks by the Convenor of the Conference **Prof. A. Rama Rao,** Co-Convenor, HOD, CSE Dept.
10:05 - 10:15	Addressing of Patron of the Conference **Dr. V. V. Rama Reddy,** Principal, LENDI Institute of Engineering & Technology
10:15 – 10:30	**Addressing by Management**
10:30 – 10:45	Inaugural address by the Chief Guest **Prof. G. Jayasuma** Hon'ble Registrar, JNTU GV, Vizianagaram, AP, India
10:45 – 10:50	**Felicitations**
10:50 - 11:00	Session Vote of Thanks by Conference Co-Ordinator **Mr. P J V G Prakasa Rao ,** Co-Convenor
11:00 - 11:05	**Group Photo and Press Conference** Report
09:00- 11:00	**High Tea and Snacks (Outside of the Seminar hall)**
12:20 – 12:50 PM	**LUNCH Break** and Miscellaneous program schedule

WELCOME

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1st International Conference on Computing for Science, Engineering & Artificial Intelligence
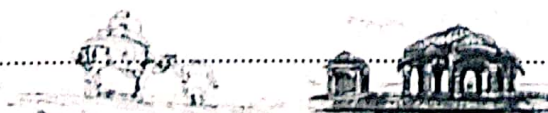(CSEAi) 2023
17 – 18th, November 2023
Jointly Organized by
California State University USA , Lendi Institute of Engineering & Technology India and IAASSE

International & National Workshops / Seminars
Day - 1: 17th November 2023

Day 1 : 17-11- 2023, Friday	Workshops - 1 : Keynote Session I - 4
Session-1 11:15 - 12:15 PM Offline	Topic: Machine Learning with Internet of Things Name : Dr. Jaya Suma Designation: Professor & Registrar, Department of Information Technology University: JNTU GV Vizianagaram
12:20 – 12:50 PM	Lunch Break
Session-2 01:00 - 2:00 PM Offine	Topic: Data Visualization Tools Name: Dr. P. Laxmikanth Designation: Associate Professor, Department of CSE Institution: Vignan Institute of Technology and Science(A), JNTU Hyd
Session-3 02:30 - 03:30 PM Online	Topic : Metaheuristics Role in Ensemble Learning Name : Dr. Ramalinga Swamy Cheruku Designation: Assistant Professor, Department of CSE Institution: National Institute of Technology Warangal
03:15 – 03: 30 PM	Hugh Tea Break

Session-4
 	
04:30 - 05:30 PM
Online
	Topic: Intelligent Systems for Smart Cities using
	        Artificial Intelligence
	Name : Dr. Elochukwu Ukwandu
	Designation: Associate Professor,
	        Department of Computer Science
	University: Cardiff Metropolitan University, London

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Day – 2 : 18th November 2023

Day 2: 18 - 11 - 2023, Saturday	Workshops – 2 : Keynote Sessions 5 - 9
09:00 – 09:05 AM	Introduction the profile of the Keynote Speaker
Session - 5 09:00 - 10:00 AM Online	Topic: Advances in Composite Materials Name: Dr. Gujjala Raghavendra Designation: Assistant Professor, Department of Mech Institution: National Institute of Technology Warangal
10:05 – 10:15 PM	High Tea Break
Session - 6 10:05 - 11:00 AM Offline	Topic: Fleet Management System Name: Dr. T. Murali Mohan Designation: Professor, Department of CSE Institution: Swarnandhra College of Engineering and Technology, India
Session - 7 11:30 - 12:30 PM Online	Topic : Data Protection vs ChatGPT Name : Dr. Rajkumar Singh Rathore Designation : Associate Professor, Department of Computer Science University: Cardiff Metropolitan University, London
12:25 – 01:15 PM	Lunch Break
Join the Session - 8 02:00 - 03:10 PM Online	Topic : Health intelligence through Satellite data analytics and digital twins Name : Dr. Lalit Garg Designation : Reader (Associate Professor) University : University of Malta, Matla
03:15 – 04 : 20 PM	Valedictory
Session - 8 07:00 – 08:00 PM Online	Topic: Fabrication of amorphous and crystalline Materials for tissue engineering applications Name: Dr. P. Abdul Azeem Designation: Assistant Professor, Department of Physics Institution: National Institute of Technology Warangal

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Valedictory Ceremony

: Please Join the Session:

Day-2: Afternoon (AN)		Saturday: 18ᵗʰ November 2023
03:15 - 04:45	▪ Participate Certificates will be issued after the Workshop, Seminar, and Conference at the Registration Desk ▪ Award Ceremony ▪ Certificates Issues ▪ Addressing by Speakers ▪ Vote of Thanks ▪ Grievance welcome	*Namaste*

Valedictory Session	
Venue: Ground Floor @ Conference / Seminar Hall	
03:15 – 03:25	**Welcome to guests on the Dias & Greetings with Bouquet**
03:25 – 03:30	**Lighting Lamp**
03:30 – 03:40	▪ Conference Report on **Conference Proceedings** ▪ Address and about the conference, closing remarks by the Organizing and Program Chair & Editor **Mr. S.Bosubabu**
03:50 - 04:00	Addressing of Patron of the Conference by **Dr. V. V. Rama Reddy,** Principal, LENDI Institute of Engineering & Technology
04:00 – 04:15	**Addressing by Management**
04:15 – 04:30	address by the Chief Guest **Sri. P. Madhusudhana Rao** Hon'ble Chaiman, LIET Vizianagaram, India
04:30 – 04:45	**Felicitations**
04:45 - 04:55	Detailed progress report on Session wise 1-7, Publication, Reviews, International & National Workshops by Conference Convenor **Prof. A. Rama Rao**, HOD, Dept of CSE
04:55 - 05:00	Session Vote of Thanks and Feedback from Researchers / Participants by **Mr. P J V G Prakasa Rao** Co-Ordinator
05:00 - 05:05	Call for **Group Photo and Press & Media**
03:00 - 05:15 PM	**High Tea and Snacks (Outside of the Seminar hall)**and Miscellaneous program schedule

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AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Academic year 2023-24

1st International Conference on Computing for Science, Engineering & Artificil Intelligence CSEAi 2023

S. No	Name of The Teaching Faculty	Title of the Conference	Date/s	Duration (days)
1.	N V Ashok Kumar	OBSTRUCTIVE SLEEP APNEA DETECTION USING ECG SIGNAL BY DEPTH WISE SEPARABLE CNN	17/12/2023 to 18/12/2023	2
2.	B Ganesh	OBSTRUCTIVE SLEEP APNEA DETECTION USING ECG SIGNAL BY DEPTH WISE SEPARABLE CNN	17/12/2023 to 18/12/2023	2
3.	K Vara Prasad	OBSTRUCTIVE SLEEP APNEA DETECTION USING ECG SIGNAL BY DEPTH WISE SEPARABLE CNN	17/12/2023 to 18/12/2023	2
4.	K ASHA DEVI	OBSTRUCTIVE SLEEP APNEA DETECTION USING ECG SIGNAL BY DEPTH WISE SEPARABLE CNN	17/12/2023 to 18/12/2023	2
5.	V TRINADHA	OBSTRUCTIVE SLEEP APNEA DETECTION USING ECG SIGNAL BY DEPTH WISE SEPARABLE CNN	17/12/2023 to 18/12/2023	2
6.	S VENKATA RAO	OBSTRUCTIVE SLEEP APNEA DETECTION USING ECG SIGNAL BY DEPTH WISE SEPARABLE CNN	17/12/2023 to 18/12/2023	2
7.	Dr U NANAJI	A DEEP LEARNING BASED REAL-TIME DETECTOR FOR PLANT LEAF INFECTION USING IMPROVED CONVOLUTIONAL NEURAL NETWORKS	17/12/2023 to 18/12/2023	2
8.	M CHIRANJEEVI	A DEEP LEARNING BASED REAL-TIME DETECTOR FOR PLANT LEAF INFECTION USING IMPROVED CONVOLUTIONAL NEURAL NETWORKS	17/12/2023 to 18/12/2023	2
9.	M SAGAR	A DEEP LEARNING BASED REAL-TIME DETECTOR FOR PLANT LEAF INFECTION	17/12/2023 to 18/12/2023	2

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		USING IMPROVED CONVOLUTIONAL NEURAL NETWORKS		
10.	CH DHANALAKSHMI	A DEEP LEARNING BASED REAL-TIME DETECTOR FOR PLANT LEAF INFECTION USING IMPROVED CONVOLUTIONAL NEURAL NETWORKS	17/12/2023 to 18/12/2023	2
11.	N SARANYA	A DEEP LEARNING BASED REAL-TIME DETECTOR FOR PLANT LEAF INFECTION USING IMPROVED CONVOLUTIONAL NEURAL NETWORKS	17/12/2023 to 18/12/2023	2
12.	G VARAHAGIRI	A DEEP LEARNING BASED REAL-TIME DETECTOR FOR PLANT LEAF INFECTION USING IMPROVED CONVOLUTIONAL NEURAL NETWORKS	17/12/2023 to 18/12/2023	2
13.	Dr CHIKKAM PVNJ MOHANRAO	UWB IMAGING TECHNIQUE FOR BREAST TUMOR DETECTION USING CONVOLUTION NEURAL NETWORKS	17/12/2023 to 18/12/2023	2
14.	Dr ENNAM GOVINDA	UWB IMAGING TECHNIQUE FOR BREAST TUMOR DETECTION USING CONVOLUTION NEURAL NETWORKS	17/12/2023 to 18/12/2023	2
15.	K V S GANESH	UWB IMAGING TECHNIQUE FOR BREAST TUMOR DETECTION USING CONVOLUTION NEURAL NETWORKS	17/12/2023 to 18/12/2023	2
16.	V RAJU	UWB IMAGING TECHNIQUE FOR BREAST TUMOR DETECTION USING CONVOLUTION NEURAL NETWORKS	17/12/2023 to 18/12/2023	2
17.	G SANDHYA	UWB IMAGING TECHNIQUE FOR BREAST TUMOR DETECTION USING CONVOLUTION NEURAL NETWORKS	17/12/2023 to 18/12/2023	2
18.	S VENKATA ANANDH	UWB IMAGING TECHNIQUE FOR BREAST TUMOR DETECTION USING CONVOLUTION NEURAL NETWORKS	17/12/2023 to 18/12/2023	2

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19.	Dr TEGALA SRINIVASA RAO	HARDWARE IMPLEMENTATION OF SOLAR POWERED INDUCTION MOTOR DRIVE USING CONSTANT V/F PRINCIPLE AND SVPWM TECHNIQUE WITH STM32F4 MICROCONTROLLER	17/12/2023 to 18/12/2023	2
20.	P VARAHALA DORA	HARDWARE IMPLEMENTATION OF SOLAR POWERED INDUCTION MOTOR DRIVE USING CONSTANT V/F PRINCIPLE AND SVPWM TECHNIQUE WITH STM32F4 MICROCONTROLLER	17/12/2023 to 18/12/2023	2
21.	K DURGA RAO	HARDWARE IMPLEMENTATION OF SOLAR POWERED INDUCTION MOTOR DRIVE USING CONSTANT V/F PRINCIPLE AND SVPWM TECHNIQUE WITH STM32F4 MICROCONTROLLER	17/12/2023 to 18/12/2023	2
22.	S RISHIKESH	HARDWARE IMPLEMENTATION OF SOLAR POWERED INDUCTION MOTOR DRIVE USING CONSTANT V/F PRINCIPLE AND SVPWM TECHNIQUE WITH STM32F4 MICROCONTROLLER	17/12/2023 to 18/12/2023	2
23.	K NARYANA RAO	HARDWARE IMPLEMENTATION OF SOLAR POWERED INDUCTION MOTOR DRIVE USING CONSTANT V/F PRINCIPLE AND SVPWM TECHNIQUE WITH STM32F4 MICROCONTROLLER	17/12/2023 to 18/12/2023	2
24.	K RAJINI	HARDWARE IMPLEMENTATION OF SOLAR POWERED INDUCTION MOTOR DRIVE USING CONSTANT V/F PRINCIPLE AND SVPWM TECHNIQUE WITH STM32F4 MICROCONTROLLER	17/12/2023 to 18/12/2023	2
25.	Dr ENNAM GOVINDA	BREAST TUMOR DETECTION USING MSP ANTENNA	17/12/2023 to 18/12/2023	2
26.	P SAI BABU	BREAST TUMOR DETECTION USING MSP ANTENNA	17/12/2023 to 18/12/2023	2
27.	B MAHA LAKSHMI	BREAST TUMOR DETECTION USING MSP ANTENNA	17/12/2023 to 18/12/2023	2

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28.	D SRINIVASA RAO	BREAST TUMOR DETECTION USING MSP ANTENNA	17/12/2023 to 18/12/2023	2
29.	A RAMANA BABU	BREAST TUMOR DETECTION USING MSP ANTENNA	17/12/2023 to 18/12/2023	2
30.	D LALITHA	BREAST TUMOR DETECTION USING MSP ANTENNA	17/12/2023 to 18/12/2023	2

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VARAHALA DORA PETLA

ASSISTANT PROFESSOR, EEE, AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, NARSIPATNAM, VISAKHAPATNAM-531113.

For Presentation en Titled on

"Hardware Implementation of Solar Powered Induction Motor Drive using Constant V/F Principle and SVPWM Technique with STM32F4_based Micro-controller"

At the 1ˢᵗ International Conference on CSEAi 2023 organized by Department of Computer Science and Engineering, Lendi Institute of Engineering and Technology(Autonomous), Vizianagaram, India in collaboration with the California State University USA, IAASSE on 17 – 18, November 2023 in Hybrid Mode.

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Principal LIET

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HOD CSE, Co-Convener

P.J.V.G. Prakasa Rao
Co-Convener

Jelisa Ntom
Telisa Ntom
Conference Co-Ordinator, IAASSE

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Varada Raju

Assistant Professor, ECE, AIET, Makavarapalem, Visakhapatnam

For Presentation en Titled on

BREAST CANCER DETECTION USING CNN AND UWB IMAGES

At the 1st International Conference on CSEAi 2023 organized by Department of Computer Science and Engineering, Lendi Institute of Engineering and Technology(Autonomous), Vizianagaram, India in collaboration with the California State University USA, IAASSE on 17 – 18, November 2023 in Hybrid Mode.

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Singapalli Venkata Rao

Asst professor, computer science, avanthi engineering, JNTUGV, vizag

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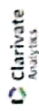P.J.V.G. Prakasa rao
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Assistant Professor, ECE, AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, JNTUGV, MAKAVARAPALEM

For Presentation en Titled on

Design and analysis of RMPA using different dielectric materials for s band applications

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VARA PRASAD KONDAPALLI

Assistant Professor,CSE, AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY/JNTU GV,Vishakapatnam

For Presentation en Titled on

Obstructive Sleep Apnea Detection using ECG Signal by Depth wise Separable CNN

At the 1ˢᵗ International Conference on CSEAi 2023 organized by Department of Computer Science and Engineering,
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