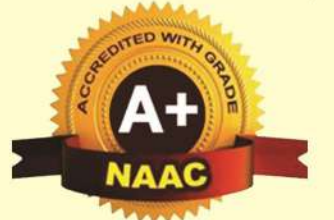




# VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

(An Autonomous Institution)  
(Affiliated to JNTU, Hyderabad)

[Sponsored by Lavu Educational Society, Affiliated to JNTUH & Approved by AICTE, New Delhi]  
Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 201 301, Phone: 9652910002/3



Department of Electronics and Communication Engineering Organizes

## VMTW-ICAVSP-2K24 1<sup>st</sup> International Conference on Advancement in VLSI and Signal Processing 25<sup>th</sup> & 26<sup>th</sup> November, 2024

### About the Conference

This International Conference on Advancement in VLSI and Signal Processing (VMTW-ICAVSP-2K24) is being organized by Department of Electronics and Communication Engineering. VMTW-ICAVSP-2K24 will provide an international forum for researchers, academicians, industry professional and UG/PG Students to explore and contribute their research by presenting and discussing the various aspects of developments in the field of Advancements in VLSI and Signal Processing.

### Topics of the Conference

#### VLSI

- Advanced Semiconductor Technologies
- Low-Power Design
- High-Performance Computing
- Analog and Mixed-Signal Design
- Design Automation and Tools
- Reliability and Testing
- System-on-Chip (SoC) Design
- Quantum Computing
- Neuromorphic Computing
- Photonics and Optical Computing
- Design for Manufacturing

#### Signal Processing

- Machine Learning and AI in Signal Processing
- Audio and Speech Processing
- Image and Video Processing
- Biomedical Signal Processing
- Communications and N/Ws
- Radar and Sonar Systems
- Adaptive Filtering and Estimation
- Time-Frequency Analysis
- Security and Privacy in Signal Processing
- Quantum Signal Processing
- Multirate Signal Processing

### Important Dates

- Paper Submission opens from: 14<sup>th</sup> Sept 2024
- Paper Submission closes on: 13<sup>th</sup> Oct 2024
- Acceptance Intimation: 11<sup>th</sup> Nov 2024
- Camera Ready Paper, Copy Right form submission and Author Registration: 18<sup>th</sup> Nov 2024
- Conference Dates: 25<sup>th</sup> & 26<sup>th</sup> Nov 2024

### Submission Guidelines

Authors intending to present papers are requested to send soft copy of full length paper in IEEE format not exceeding 7 pages to mail id [conference.ece@vmtw.in](mailto:conference.ece@vmtw.in) along with the application form. The selected papers will be notified for registration.

- Upload the details through paper submission link
- No. of Authors per paper is limited to 4 only.
- Certificate will be provided to Authors who are present during their paper presentation.
- ISBN International Conference Proceeding will be provided with an additional charge of INR 1000 (Cost of one book).
- All submissions must include title, author(s) and affiliation(s). Full address for correspondence including phone no. and email id.
- Selected papers will be published in respective Journals as per the interest of author.

### Conference Advisory Committee

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- Dr. SumitSaha, AsstProf., ECE, NIT Rourkela
- Dr. G. Appala Naidu, AsstProf., JNTU, Vizianagaram

### Registration & Account Details

Categories	Registration Fees	
Student/ Faculty	Rs 500	
R&D/ Industry	Rs 1000	
Foreign Delegates	US \$ 50	
Name of the Beneficiary: <b>VIGNANS INSTITUTE OF MANAGEMENT &amp; TECH FOR WOMEN EXAM BRANCH</b>		
Account No (Current Account): <b>42784208743</b>		
Bank & Branch: <b>SBI, Ghatkesar</b>		
IFSC Code: <b>SBIN0020450</b>		
Name of the Journal	Type	Amount
		(Rs)* (US \$)**
Journal of Interdisciplinary and Multidisciplinary Research (UGC Care 2 Journal, SI No 52)	UGC Care (Grp 2)	2000 50
Journal of Polymer and Composites (ISSN: 2321-2810)	WoS	15000 200
Tianjin Daxue Xuebao/ Journal of Tianjin University Science and Technology (ISSN: 0493-2137)	Scopus	17000 210
Jilin Daxue Xuebao/ Journal of Jilin University (Engg. & Tech. Edition) (ISSN: 1671-5497)	Scopus	

\*Indian Author

\*\* Foreign Author

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**Mr. P. Harikrishna,** HoD, ECE

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#### Dr. Vijaykumar R. Urkude

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Mr. D.Naresh, Assistant Professor  
Mrs. K.Pravallika, AssistantProfessor

For more details visit

<https://vmtw.edu.in/VMTW-ICAVSP-2K24.php>



## About the Institution

Vignan's Institute of Management and Technology for Women (VMTW), is the brainchild of **Dr. L Rathaiah, Chairman, Vignan Group of Institutions**, was founded during August 2008, with four branches of Engineering.

VMTW is an exemplary institution of higher learning with a mission of pursuing excellence in education and research. The institution, with their diverse and dynamic community of about 2500 students offers a distinctive combination of some of the finest facilities for 8 different graduate, and undergraduate programs, accomplished faculty, world class facilities with hostel set on a sprawling area of 22 acres sylvan surroundings of mango groves and greenery.

At VMTW students will find an academic and social environment where everyone from faculty members to peers help shape their future. VMTW is a home to aesthetically designed buildings with state of the-art computer and internet facilities, modern laboratories, workshops, seminar halls, auditoriums and libraries, sports and games fields.

The Institution boasts of a strong alumni network with alumni events held every year serving as a platform for past students to give back to VMTW and share their experiences with its present fellow students. Institute also brings out creativity in students by imparting engineering knowledge imbining interpersonal skills to promote innovation, research and entrepreneurship.

## About the Department

Department of Electronics and Communication Engineering was started since the inception of Vignan's Institute of Management and Technology for Women during 2008 with an initial intake of 90. The strength was enhanced to 120 during 2010. The Department had added Post graduate programme in VLSI during the year 2011 with intake of 18.

The Department has state-of-art laboratories equipped with advanced and well maintained equipment, continuously updated application software packages, more than adequate computing systems with 24x7, 100 MBPS internet facility. The department is run by well qualified and experienced faculty & supporting staff.

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CEO, Vignan Group of Institutions, Hyd

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Professor, ECE

Contact No: +91 92937 93986

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Mrs. D. Shirisha, Assistant Professor

Mr. D. Naresh, Assistant Professor

Mrs. K. Pravalika, Assistant Professor



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**1<sup>st</sup> International Conference**

on

**Advancement in VLSI and Signal  
Processing**

**(VMTW-ICAVSP-2K24)**

**(Hybrid Mode)**

**25<sup>th</sup> & 26<sup>th</sup> November, 2024**

**Organized by**

**DEPARTMENT OF**

**ELECTRONICS &**

**COMMUNICATION ENGINEERING**

**VIGNAN'S INSTITUTE OF MANAGEMENT  
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Kondapur(V), Ghatkesar (M),

Medchal – Malkajgiri(D) – 501 301,

Phone: +9196529 10002/3

Website: <http://www.vmtw.in>



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IFSC Code: <b>SBIN0020450</b>	

Name of the Journal	Type	Amount	
		(Rs)*	(US \$)**
Journal of Interdisciplinary and Multidisciplinary Research (ISSN:1945-3019)	UGC Care (Grp 2)	2000	50
Journal of Polymer and Composites (ISSN: 2321–2810)	WoS	15000	200
Tianjin Daxue Xuebao/ Journal of Tianjin University Science and Technology (ISSN: 0493–2137)	Scopus	17000	210
Jilin Daxue Xuebao/ Journal of Jilin University (Engg. & Tech. Edition) (ISSN: 1671–5497)	Scopus		

\*Indian Author

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## Paper Submission Link



[rb.gy/nhp69r](http://rb.gy/nhp69r)

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|---------------------------------------|--|
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| ➤ Low-Power Design                    | ➤ Audio and Speech Processing                  |
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| ➤ Design Automation and Tools         | ➤ Communications and N/Ws                      |
| ➤ Reliability and Testing             | ➤ Radar and Sonar Systems                      |
| ➤ System-on-Chip (SoC) Design         | ➤ Adap-tive Filtering and Estimation           |
| ➤ Quantum Computing                   | ➤ Time-Frequency Analysis                      |
| ➤ Neuromorphic Computing              | ➤ Security and Privacy in Signal Processing    |
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## Who Should Attend?

The programme is open to all Faculty/ Research Scholars/ Industry Professionals/ and all eligible students.



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**(Hybrid Mode)**

**Application Form**

Name (in BLOCK LETTERS): .....

Designation: .....

College/ Organization: .....

Address for Communication: .....

Phone No (with STD Code): .....

Mobile No.: .....

Email Id: .....

Title of the Paper: .....

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## Declaration:

The information provided by me is true to the best of my knowledge. If selected, I agree to abide by rules and regulation of the organization and shall attend the International Conference for the entire duration. I also undertake the responsibility to inform the Convener(s), in case I am unable to attend the International Conference.

Place:

Date:

Signature of the Participant