

FACULTY DETAILS - CVT

ROSHAN VAASAN VM

Assistant professor

Department of Cardiovascular Technology

M.Sc. Echocardiography and cardiovascular imaging technology

School of Allied Health Sciences,

Malla Reddy University.

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2. ABOUT SHORT PROFILE

Academic Background

Mr. Roshan Vaasan V.M. is an Assistant Professor and a certified Cardiac Sonographer registered with the Indian Academy of Echocardiography. He holds a M.Sc. in Echocardiography and Cardiovascular Imaging Technology from Chettinad Academy of Research and Education with distinction and a B.Sc. in Cardiac Technology from the same institution. His academic credentials are supported by structured clinical training and professional experience in tertiary care teaching hospitals and specialized cardiac centres.

Teaching Focus

Mr. Roshan Vaasan V.M. is engaged in undergraduate and postgraduate teaching in Cardiovascular Technology with a focus on echocardiography and non-invasive cardiac diagnostics. His teaching areas include transthoracic and transoesophageal echocardiography, Doppler echocardiography, stress echocardiography, paediatric echocardiography, cardiovascular instrumentation, and clinical image interpretation. He adopts student-centric and outcome-based teaching methodologies, emphasizing hands-on training, case-based learning, and integration of theoretical concepts with clinical practice.

Research Interests

His research interests include echocardiographic evaluation of cardiac function, Doppler-derived hemodynamic assessment, and the clinical application of speckle tracking echocardiography in ischemic and renal-related cardiac conditions. He has published prospective observational studies in peer-reviewed journals and is interested in clinically oriented research that enhances non-invasive diagnostic accuracy and supports evidence-based cardiovascular care.

3. EDUCATIONAL QUALIFICATIONS:

DEGREE & SPECIALISATION	NAME OF THE INSTITUTE	YEAR OF PASSING	% OF MARKS SECURED
M.Sc. Echocardiography and CVIT	Chettinad Academy of Research and Education	2024	92%
B.Sc. Cardiac Technology	Chettinad Academy of Research and Education	2022	88%

4. AREAS OF EXPERTISE:

S. No.	Area of Expertise
1	Transthoracic and Transoesophageal Echocardiography
2	Doppler Echocardiography and Hemodynamic Assessment
3	Speckle Tracking Echocardiography and Left Ventricular Function Analysis
4	Stress Echocardiography (Dobutamine Stress Echocardiography)
5	Paediatric Echocardiography
6	Non-Invasive Cardiac Diagnostics and Cardiovascular Imaging
7	Cardiovascular Instrumentation and Equipment Handling
8	ECG, Treadmill Test (TMT), Holter and ABPM Analysis
9	Clinical Image Acquisition, Interpretation, and Reporting
10	Patient-Centred Cardiac Imaging and Procedural Care

5. PUBLICATIONS:

S. No.	Title of the Paper	Name of the Journal
1	A Prospective Observational Study on Echocardiographic Assessment of Pulmonary Capillary Wedge Pressure Using Pulse Wave Doppler in Hemodialysis Patients	Innovative Journal of Medicine and Health Science, ISSN (P) 2589-9341, DOI: https://doi.org/10.52845/IJMHS/2023/13-05-1
2	A Prospective Observational Study on Assessing LV Function Using 2D and Speckle Tracking Echocardiography in Primary PCI Patients	Global Journal for Research Analysis, ISSN NO. 2277-8160, DOI: 10.36106/gjra
3	An Observational study on Echocardiographic assessment of Left Ventricular function in patients with and without metabolic syndrome	European Journal of Clinical Pharmacy, Print ISSN: 2385-409X Online ISSN: 3105-0409, Volume: 7: Issue: 1

6. TEACHING EXPERIENCE:

S. No	INSTITUTION	DESIGNATION	YEARS OF EXPERIENCE
1	Malla Reddy University- Hyderabad	Assistant Professor	2 Months
2	Sri Narayani Hospital And Research Centre - Vellore.	Assistant professor and Technologist	1 year

7. ACHIEVEMENTS AND PROFESSIONAL ENGAGEMENTS

AWARDS:

- Awarded **RAJAH MUTHIAH AWARD** for **PROFICIENCY** in Echocardiography and Cardiovascular imaging technology by Chettinad academy of research and education.

PROFESSIONAL ENGAGEMENTS:

- Filed patent design – **INTELLECTUAL PROPERTY OF INDIA**: OccRhythm: Dual sensor device for tear parameter and cardiac rhythm monitoring.
- **INDIAN ACADEMY OF ECHOCARDIOGRAPHY** certified Cardiac Sonographer Member (ID: TM-370) w.e.f. 09-03-2024.
- Actively participated in paper presentation in **INDIAN ACADEMY OF ECHOCARDIOGRAPHY annual conference committee 2025**.
- Completed **REASEARCH PAPER WRITING AND PUBLICATIONS MASTER CLASS** under workshop conducted by **KAARWAN INDIA**.

NATIONAL CONFERENCE:

- Participated in **RHYTHM RISE”24 Conference**, Sri Ramachandra Institute of Higher Education and Research, Chennai.
- Participated in **RCT CON”25 Conference (Mastering ECG & Catheterization equipment)**, Sri Ramachandra Institute of Higher Education and Research, Chennai.
- Participated in **CARDIO INTERVENTION 2025 Conference**, Sri Ramakrishna Hospital Institute of Allied Health Sciences, Coimbatore.

8. ROLES & RESPONSIBILITIES:

- In charge of the R23 Batch of CVT department.

9. CONTACT & PROFILE LINKS:

- **LINKED IN PROFILE:** www.linkedin.com/in/roshan-vaasan-b1b64a212
- **EMAIL ID:** roshanvaasan@gmail.com