

**List of faculty members received seed money or internal research grant from the institution
in the academic year - 2025-26**

S.N	Faculty name	Project title/Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the Project
1	Dr.S.Rajesh,Assoc. Prof/CSE Dr.K.Saranya,AP(Sr.Gr)/CSE	Smart Waste Management System	1 Year	0.255	0.255	Conducted technical workshops, STEM outreach programs, and talent-driven recruitment initiatives in robotics. Presented innovative student projects to industry experts, government authorities, and global AI & robotics leaders.
2	Mr.G.Gokulraj, AP/CSE Dr.K.Saranya,AP(Sr.Gr)/CSE	Emergency Braking System	1 Year	0.151	0.151	
3	Mr.G.Gokulraj, AP/CSE Dr.K.Saranya,AP(Sr.Gr)/CSE	Voice-Controlled Assistive Glove	1 Year	0.232	0.232	
4	Mr.V.Padmacharan, AP/CSE Dr.K.Saranya,AP(Sr.Gr)/CSE	CP-0	1 Year	0.250	0.250	
5	Ms.A.Jayasmruthi, AP/CSE Dr.K.Saranya,AP(Sr.Gr)/CSE	Ink-A-Bot	1 Year	0.310	0.310	
Amount received (Rs.)					1.199	

Developed Innovative AR/VR Healthcare Products

1. Heart Sounds
2. Peripheral Vascular Disease (PVD) Module
3. Interactive Heart Anatomy System

Brochures of AR/VR Healthcare technology Products.



Sri Ramakrishna Institute of Technology
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Virtual Clinical Skill Trainer for PVD Assessment

Experience the Future of Medical Training in Virtual Reality
SDG3: Good Health and Well Being

Traditional medical education struggles to offer real-time exposure to Peripheral Vascular Disease (PVD) patients. Our VR-based training platform transforms this challenge into an immersive, hands-on experience.

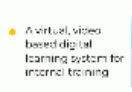
- Simulates 3D virtual patients with realistic PVD symptoms
- Enables pulse palpation, skin inspection, and edema detection
- Offers interactive lessons and instant feedback
- Works seamlessly on Meta Quest and affordable VR devices



3D Virtual Patient: Medical room, Video Lessons, Pulse Palpation card.



- Capable of performing a comprehensive examination of the entire body



- A virtual, video-based digital learning system for internal training



- Allows users to engage in realistic conversations with virtual patients

Developers



Abinaya R
Faculty Coordinator



Archana K K
Faculty Coordinator



Preetha V
Faculty Coordinator



Ashwin R
Developer



Hemalatha G
Developer



Jashwanth G P
Developer



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HearSmart: Virtual Reality in Cardiac Auscultation

Experience the Future of Medical Training in Virtual Reality
SDG4: Quality Education

HearSmart is an innovative virtual reality (VR)-based training platform designed to enhance medical students' understanding of cardiac auscultation. This system allows learners to experience, analyze, and interpret both normal and abnormal heart sounds in an immersive and interactive environment.

By combining realistic sound simulation with VR technology, HearSmart bridges the gap between theoretical learning and clinical practice.

- Provides safe and realistic practice environment
- Enhances understanding of normal and abnormal heart sounds
- Offers real-time feedback and performance tracking





3D Virtual Patient: Medical room, Video Lessons, Pulse Palpation card.

Goal:

- Quality Education
- Reduced Inequalities
- Partnerships for the Goals
- Good Health and Well-Being
- Industry, Innovation, and Infrastructure

Developers



Archana K K
Faculty Coordinator



Preetha V
Faculty Coordinator



Abinaya R
Faculty Coordinator



Senthoo Balan Baskar
Developer



Ajithkumar E
Developer





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ABOUT

- Heart Anatomy is a virtual reality learning application designed to train nursing students using Meta Quest VR glasses. It provides an immersive 3D view of the human heart, allowing learners to explore its chambers, valves, and blood flow in detail. By combining technology with medical education, this project helps students understand cardiac anatomy more effectively and interactively.

- 1 3D heart made with bisection and rotation views
- 2 Real-time blood flow simulation
- 3 Voice and text labeling for easy learning
- 4 Assessment mode for self-testing

DEVELOPERS



01
Preetha V



02
Adinaya R



03
Archana K K



04
Anand Arith M



05
Ashish M Meron



SDG 3 :Good health and well being

- Consultancies

1. Craftsman Automation PVT.Ltd
2. L&T Coimbatore
3. Indoshellcast Pvt.Ltd
 - Visual Inspection
 - Partingline Problem
4. Sixers Sports
 - Basketball Scoreboard
5. Flowlink systems

innovative and real-time student project problem statements attempted

1. SRIT Virtual Tour

Link: <https://www.srit.org/srittour/>

2. SRIT Security Gate Pass System
3. SRIT IIC Events Management System

Link: <https://hivesrit.streamlit.app/>

4. Smart Wire
 5. 3D Assembly
 6. Metal Vista
 7. Solar Still
 8. LLM Benchmark
- Solar Cooker