



Uka Tarsadia University
Bhulabhai Vanmalibhai Patel Institute of Computer Science



Report on
**“Oral Presentation at International Conference
on Innovations in Engineering, Management and Science
(ICIEMS) – 2025**
And
**Paper Publication at International Research
Journal on Advanced Engineering and Management
(IRJAEM)”**

Date: 31th January & 1st February 2025

Organized By: Research & Development Cell & Department of CSE; Harcourt Butler
Technical University (HBTU), Kanpur, Uttar Pradesh, India

&

Event Organizer: RSP Conference Hub, Coimbatore, Tamil Nadu, India

Title of the Topic: *Image Processing in MRI: A Methodology Review.*

Presentation Highlights:

Title of the Topic: Image Processing in MRI: A Methodology Review

Total No. of Presenting Author(s) (Oral Presentation): 04

Presenting Author:

1. **Akanksha Shree** (SYBCA 4th Semester, B.V. Patel Institute of Computer Science)
2. **Krishna Desai** (SYBCA 4th Semester, B.V. Patel Institute of Computer Science)
3. **Ruchika Savle** (SYBCA 4th Semester, B.V. Patel Institute of Computer Science)
4. **Jensi Savaliya** (SYBCA 4th Semester, B.V. Patel Institute of Computer Science)

Under Supervision:

1. **Jitendrakumar B. Upadhyay (SRIMCA)**
2. **Dr. Rajamouli Boddula (TICS)**

Congratulations on the outstanding achievement of an oral presentation and paper publication at the International Conference on Innovations in Engineering, Management and Science (ICIEMS) - 2025, organized by the Research & Development Cell & Department of CSE, Harcourt Butler Technical University (HBTU), Kanpur, Uttar Pradesh, India.

This remarkable milestone highlights the dedication and hard work of our talented BCA student, under the expert guidance of faculty member Mr. Jitendra Upadhyay. Their interdisciplinary collaboration, with the invaluable support of Dr. Rajamouli Boddula from the TICS (Chemistry Department).

*The research, titled "Image Processing in MRI: A Methodology Review", was successfully presented at the conference, earning recognition from national and international experts. Furthermore, the paper has been published in the **International Research Journal on Advanced Engineering and Management (IRJAEM)** with **Paper ID: 2501096** and **eISSN: 2584-2854**.*

This achievement sets a new benchmark of excellence, demonstrating our institution's commitment to fostering research and innovation among students.

Paper Publication Details:

Title: Image Processing in MRI: A Methodology Review

Paper ID: 2501096

Published in: International Research Journal on Advanced Engineering and Management (IRJAEM)

eISSN: 2584-2854

Outcomes:

- Increased Confidence and Presentation Skills
- Global Recognition
- Expanded Professional Network

Objectives:

- *Showcase Research Excellence:* To present the innovative ideas and research outcomes developed by the students on an international platform.
- *Gain Global Exposure:* To expose students to a broader audience of international experts, enhancing their understanding of global research trends and fostering interdisciplinary collaborations.
- *Develop Communication Skills:* To refine students' ability to communicate complex technical concepts clearly and effectively to an international academic and professional audience.
- *Enhance Professional Development:* To boost students' professional growth by engaging with experts, expanding their network, and learning about the latest developments in their field.
- *Inspire Future Research:* To motivate students to continue their research and pursue further academic or industry-based opportunities through the encouragement received from the conference.

The journey began with an innovative idea under the guidance of Mr. Jitendra Upadhyay: an in-depth review of **"Image Processing in MRI: A Methodology Review."** While their expertise was initially rooted in IT, Mr. Upadhyay recognized the need for deeper medical imaging insights to grasp MRI techniques and refine their research fully. This is where the collaboration with Dr. Boddula became crucial, fostering the interdisciplinary synergy that made their project truly outstanding. To ensure their review provided meaningful contributions to the field, the team conducted extensive research, exploring topics such as "MRI Image Enhancement and Segmentation Techniques: Advancing Accuracy in Medical Diagnostics." Their dedication culminated in a successful presentation at an international virtual conference, where they captivated both national and international experts.

Their journey doesn't end here, the team's work has already been submitted in a journal for publication, and they are continuing to refine their design.



Report prepared by:

**Mr. Jitendrakumar B. Upadhyay (SRIMCA) and Dr. Rajamouli Boddula (TICS),
Assistant Professor, UTU, Bardoli.**

Date: 06/03/2025