



Uka Tarsadia University

**Shrimad Rajchandra Institute of Management and
Computer Application
and**

B.V. Patel Institute of Computer Science

Report on

“Oral Presentation in International Conference”

Date: 30th to 31st August 2024

Venue: Virtual Conference plot form (B.U. Tarsadia Learning Resource Centre)

Organization: International Conference on Advancements in Science, Engineering & Technology (ICASET - 2024) - Jointly Organized by Vidya Vihar Institute of Technology, Purnea, Bihar, India & Global Conference Hub, Coimbatore, Tamilnadu, India.

Time: 10:00 AM to 1:30 PM

Title of the Topic: Comprehensive Review on BMI, TDEE, BMR, and Calories for Weight Management: Insights into Energy Expenditure and Nutrient Balance for Long-Term Well-Being

Total No. of Presenting Authors (Oral Presentation):

1. **Panwala Huzaifa Hussain** (B.V. Patel Institute of Computer Science)
2. **Patil Om Mukesh** (B.V. Patel Institute of Computer Science)
3. **Aksh Janakbhai Modi** (B.V. Patel Institute of Computer Science)
4. **Vraj Dipakkumar Parekh** (B.V. Patel Institute of Computer Science)

Under Supervision

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

Congratulations to truly exciting news about the Oral presentation at *International Conference on Advancements in Science, Engineering & Technology (ICASET - 2024)* – Jointly organized by Vidya Vihar Institute of Technology, Purnea, Bihar, India & Global Conference Hub, Coimbatore, Tamilnadu, India, the remarkable achievements of our talented and hardworking BCA students under the guidance of our faculty member, Mr. Jitendra Upadhyay.

Their interdisciplinary collaboration, with the invaluable support of Dr. Rajamouli Boddula from the TICS (Chemistry Department).

Objectives:

- *Showcase Research Excellence:* To present the innovative ideas and research outcomes developed by the students on an international platform, demonstrating their contributions to the field.
- *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.

For the very first time, BCA-level students from B. V. Patel Institute of Computer Science, UTU, have achieved this incredible milestone, setting a new benchmark of excellence and paving the way for future generations to follow. The journey began with a bright idea under the guidance of Mr. Jitendra Upadhyay: the design of a BMI calculator using their custom-developed tools. While their expertise was initially limited to IT, Mr. Upadhyay realized they needed deeper biochemical insights to fully understand BMI and enhance their design. This is where the collaboration with Dr. Boddula became vital, sparking the interdisciplinary synergy that made their project truly exceptional. To ensure their BMI tool could outperform existing software, the team dove into extensive research, focusing on topics such as "BMI, TDEE, BMR, and Calories for Weight Management: Insights into Energy Expenditure and Nutrient Balance for Long-Term Well-Being." Their hard work culminated in a successful presentation at an international virtual conference, where they impressed both national and international experts.

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

Outcomes

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



Report prepared by:

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

Date: 08-10-2024