

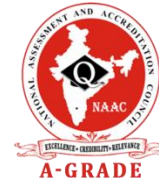


VAAGDEVI COLLEGE OF ENGINEERING

AUTONOMOUS

Bollikunta, Khila Warangal (Mandal), Warangal Urban-506 005 (T.S)

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7.1.7 - The Institution has a disabled-friendly and barrier-free environment:

1. Ramps/lifts for easy access to classrooms and centres
2. Disabled-friendly washrooms
3. Signage including tactile path lights, display boards and signposts
4. Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc.
5. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

1. Ramps /lifts for easy access to class rooms and centres:

Ensuring that classrooms and other campus facilities are accessible to all students, including those with disabilities, is crucial for promoting inclusivity and equal opportunity in education. Here's an overview of the importance of ramps and lifts, their benefits, and considerations for implementation.

Importance of Ramps and Lifts

Inclusivity: Ramps and lifts provide access to individuals with mobility challenges, including those using wheelchairs, crutches, or other assistive devices, ensuring everyone can participate fully in campus life.

Compliance with Regulations: Many regions have legal requirements (such as the Americans with Disabilities Act in the U.S.) mandating accessibility features in public spaces, including educational institutions.

Enhanced Mobility: Ramps and lifts facilitate easier movement across campus, promoting independence for students and staff with disabilities.

Emergency Access: Ramps and lifts can serve as vital evacuation routes during emergencies, ensuring all individuals can exit safely.

Benefits

Improved Accessibility: Providing ramps and lifts increases access to classrooms, libraries, laboratories, and other facilities, allowing all students to engage in their education.

Promotes Equality: Accessible facilities demonstrate a commitment to equality and inclusion, fostering a welcoming environment for all students.



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Encourages Participation: With easy access to classrooms and centers, students with disabilities are more likely to participate in activities, clubs, and events.

Positive Campus Image: A campus that prioritizes accessibility reflects a progressive and inclusive culture, enhancing its reputation.

Considerations for Implementation

Design and Location:

Ensure ramps are designed with proper gradients (1:12 ratio is commonly recommended) to facilitate ease of use.

Locate ramps and lifts in strategic areas for easy access to main entrances and high-traffic locations.

Maintenance:

Regularly inspect and maintain ramps and lifts to ensure they are in safe working order and free from obstructions.

Provide clear signage indicating accessible routes and facilities.

User Education:

Educate the campus community about available accessibility features and encourage their use.

Train staff and faculty on how to assist individuals needing access to ramps and lifts.

Feedback Mechanism:

Establish channels for students and staff to provide feedback on accessibility features and report any issues, ensuring continuous improvement.

Funding and Resources:

Explore funding opportunities or grants aimed at improving accessibility on campus.

Collaborate with disability advocacy groups for best practices and recommendations.

Conclusion

Incorporating ramps and lifts into campus design is essential for fostering an inclusive educational environment. By prioritizing accessibility, institutions can ensure that all students have equal opportunities to succeed and participate fully in academic and social life. This

commitment not only enhances the campus experience but also sets a positive example for community values and respect for diversity.



For easy access to divyangjan people we have created provisions as ramps and elevators so they can go to their respective classes with out any difficulties.

Ramp Facility at the entrance of A Block



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Latitude: 17.890657
Longitude: 79.600152
Elevation: 280.67m
Accuracy: 15.2m



Latitude: 17.890657
Longitude: 79.600152
Elevation: 280.67m
Accuracy: 16.7m



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2. Divyangjan-friendly washroom.

Institution has provided divyangjan-friendly and barrier free environment such as divyangjan friendly –washrooms in the campus.

Creating Divyangjan-friendly (accessible) washrooms is essential for ensuring that all individuals, including those with disabilities, can use facilities comfortably and safely. Here's an overview of the key features, benefits, and considerations for implementing accessible washrooms:

Key Features of Accessible Washrooms

1. Space and Layout:

- **Larger Stall Size:** Ensure stalls are spacious enough to accommodate wheelchairs or mobility aids (typically 60 inches wide).
- **Clear Pathways:** Maintain clear pathways to and within the washroom for easy navigation.

2. Grab Bars:

- **Support Bars:** Install grab bars near toilets and sinks to provide support for individuals with limited mobility. These should be sturdy and positioned at appropriate heights.

3. Accessible Toilets:

- **Height:** Toilets should be at a height suitable for individuals using wheelchairs, usually between 17 to 19 inches from the floor.
- **Transfer Space:** Ensure enough space beside the toilet for lateral transfers from a wheelchair.

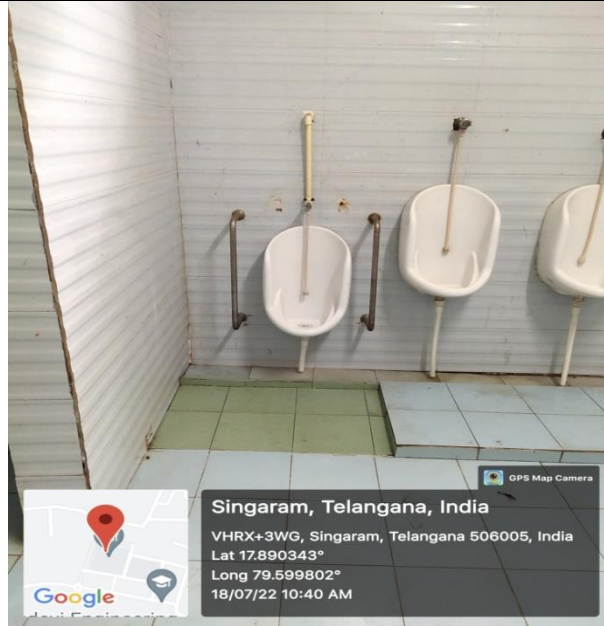
4. Sinks and Faucets:

- **Height and Reach:** Sinks should be mounted lower to accommodate wheelchair users, with lever or touchless faucets for ease of use.
- **Clear Space:** Provide knee clearance beneath sinks to allow wheelchair access.

5. Doorways and Hardware:

- **Wider Doorways:** Ensure doorways are wide enough (at least 32 inches) to accommodate wheelchairs.
- **Easy-to-Operate Handles:** Use lever-style or push/pull handles that are easy to operate without fine motor skills.





Wheel Chair Facility at Block A



3. Signage including tactile path lights, display boards and signposts :

Effective signage is essential for creating an inclusive environment on campus, particularly for individuals with disabilities. Tactile path lights, display boards, and signposts play a crucial role in guiding and informing users. Here's an overview of these elements, their features, benefits, and best practices for implementation.

1. Tactile Path Lights

Features:

- **Illumination:** Path lights should be bright enough to guide users safely during low-light conditions.
- **Tactile Elements:** Incorporate raised tactile surfaces or patterns that provide sensory feedback for individuals with visual impairments.





5. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

Institute provides Human assistance, reader, scribe, soft copies of reading materials.

Creating a supportive environment for all students, particularly those with disabilities, involves providing various forms of assistance and information resources. Here are essential provisions that enhance accessibility, including human assistance, reading aids, and digital resources.

1. Human Assistance

Features:

- **Dedicated Staff:** Employ trained personnel to assist students with inquiries and provide guidance on available resources.
- **Peer Support Programs:** Implement programs where students can volunteer to help peers with disabilities navigate campus facilities and academic challenges.