

ANSATA AND STUDIO ONE TOGETHER TRANSFORM AMBAZARI GARDEN INTO A PICTURESQUE LANDSCAPE

Blending High-End Technologies with Thoughtful Execution, The Project Creates a Visual Feast for Ambazari's Visitors in Nagpur



Studio One's team along with Ansata's high-end audio design delivered an impactful storytelling experience on the life of Swami Vivekananda through cutting-edge software tools

After accomplishing the country's first 3D multimedia show at Ross Island, **Studio One Productions Pvt. Ltd.** has announced another historic achievement at Ambazari Lake and Garden. The project also marks another milestone for **Ansata**, one of the leading professional audio products and services company in India. Contributing to elevate one of Nagpur's most beautiful landmarks, the brand along with the service provider, supported a project that seamlessly connects history, art, and technology in the heart of nature. **AV-ICN Expo Magazine** brings this exclusive story for the readers to dive into precision, engineering, and detailed planning executed at the Ambazari Lake and Garden to ensure every visitor enjoys an immersive sonic experience that matches the visual brilliance of Sound and Light Show regardless of outdoor conditions.

Ambazari garden, located by the side of Ambazari Lake, shares a scenic surrounding and tranquil ambience with the people in Nagpur, India. The expanse of Ambazari lake and garden is quite large and hosts a statue of Swami Vivekananda on the eastern corner of the lake. Furthermore, the amphitheatre, with a capacity of 300 people, is created in RCC,

mostly by using the contours of the land available. The control room contains two projectors, audio racks, and integration racks.

With the aim to provide visitors a descriptive view of Swami Vivekananda's life, Nagpur Metropolitan Region Development Authority planned to create a sound, light, and multimedia

Show on the life of Swami Vivekananda at the statue's site. However, due to possible traffic around the junction of two major roads, the SEL show was shifted inside the Ambazari garden.

SPOTTING THE SITE AND IT'S BEAUTY

The present location is the lowest point of the garden contours, which is a natural runoff for the monsoon water of the garden. A valley like pond is created naturally, whose area is about 1,878 sqm. or 20,212 sft. and there is a hanging bridge to cross over the valley on the lake side.

The location was chosen carefully because of the pond naturally being formed by the valley. The team's vision was to create a

from Chennai and the Director of **Studio One Productions Pvt. Ltd.**, developed the basic concept of the show and decided on the selection of equipment with the help of Director and Award-winning Cinematographer, **Shri Alphonse Roy**. The show has been created by the **Studio One Khalatkar Consortium**, which is a JV/SPV created for this tender. Furthermore, the creators of the animation, **Puppetica Media**, have also played an instrumental role in creating the first feature length Sanskrit film 'Punyakoti'.

Storyboards were hand-drawn in 'Procreate' with the initial prototypes for the layouts in **Adobe Creative Suite** (Photoshop, Illustrator, Animate, After Effects). A grid was created based on the projection

use of software tools from the start. Many plugins were also used as required during production and post-production. Initial models and lighting were used to plan the live shoots. OBS was used during the shoot to key the greenscreen videos over 3D back-grounds. Furthermore, shoot lights were then synched again later in the 3D models to match the shoot for a seamless blend.

Once all assets were in place, the shots in the dummy timeline were replaced with high resolution renders. Multi-language audio tracks were timed to the visuals. Files were locally rendered, and cloud storage was used for transfers as production happened in different parts of India and abroad.

ANSATA'S FLAWLESS ADDITION OF SOUND DESIGN

The design team created storyline with the computer graphics along with other creative elements, while Ansata brought the sound design to life by implementing a premium audio system tailored for the project. The brand worked closely with the creative team to ensure that every musical detail, sound effect, and narrative element was delivered with clarity and precision across the outdoor environment. By deploying **d&b audiotechnik's** state-of-the-art surround solution, Ansata's expertise ensured that the immersive audio experience matched the visual storytelling, providing visitors with a fully synchronised sound and light spectacle.

Ansata successfully delivered a world-class outdoor surround audio solution at this iconic venue, featuring premium Weather Resistant (WR) loudspeakers and amplifiers from d&b audiotechnik purpose-built to withstand environmental challenges without compromising performance. The team installed **Yi8 Line Arrays (WR)** as the Main LCR system, **8S loudspeakers (WR)** as Surrounds, and **B22 Subwoofers (WR)** for LFE reinforcement — all carefully designed to deliver exceptional clarity, powerful low-end, and consistent coverage across the open-air audience area.

The installation played a pivotal role in transforming Ambazari Lake into a fully equipped, event-ready venue. By integrating the d&b audiotechnik system, known for its precision, power, and acoustic consistency, the team ensured that the lakefront could host 3D Projection show and recreational activities with world-class sound reinforcement. The setup enhances



Creative storyboard as viewed on the software for the spectacular showcase of 3D projections at Ambazari Lake and Garden

mural within the pond to resemble the Vivekananda Rock Memorial in Kanyakumari. The civil work for construction of control room, amphitheatre, and mural of about 462 sqm. or 5,000 sft. started in April 2023.

With the priority to create a mural of about 21.00m or 70.00 ft. by 10.05m or 33.00 ft., the team chose 5 mm thick fibre reinforced polymer, which was supported with a huge and thin mural fabricated steel structure of 21.00m by 5.50m. or 18 ft. width behind the mural. The back and sides are further covered by ferro-cement to give a look of a huge rock. The FRP mural was created by the local artists, **Shri Hirubhai Vikamshi**, **Lalit Vikamshi**, and their team along with the 3D scanning of the mural done by a local agency, **Imagis Engineering Solutions Pvt. Ltd.**

DESIGN IMPLEMENTATION OF AMBAZARI SOUND AND LIGHT SHOW

Revathy, the celebrated Film Director

with markers to separate the background mural and the spaces to be used for video and animation. Furthermore, shot divisions and edits for the prototype were lined up in **Premiere** with dummy voices. After final approvals, the prototype was sent for sound work even before full-fledged production could start, giving enough time for planning the sound and music.

Historical and geographical references were used to make the model authentic. The use of multiple software ensured the project's flawless execution:

- 3D models and environment were made in **Unreal Engine**, and some objects were completed in **Blender**.
- **Nuke** was used for 3D compositing while Matte Painting was done on **Photoshop**.
- Rigged 2D digital animation was completed in **Adobe Animate**.
- Live action greenscreen videos were composited in **After Effects** and DI/edit was done in **DaVinci Resolve**.

The software agnostic team drove the

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audience engagement, improves tourism, and elevates the overall visitor experience, making the space not just scenic but sonically spectacular.

CONCLUSION

The sound and light show at the Ambazari garden shared a resounding success with the visitors at its inauguration on 6th October 2024 at the hands of hon'ble **Shri Nitin Gadkari** ji, who is also the mentor of the project.

Ansata's role in delivering a premium,

INVENTORY LIST:

- Yi8 Loudspeaker WR – 12 units
- B22 Subwoofer WR – 2 units
- Vi10P Loudspeaker WR – 1 unit
- 8S Loudspeaker WR – 16 units
- 40D Amplifier – 3 units
- 5D Amplifier – 4 units
- DS10 Audio network bridge – 2 units

immersive audio experience added a vital layer of depth to storytelling, ensuring that every sound, every note, and every voice was experienced with clarity across the venue. By combining creative vision with technical precision, the team helped transform Ambazari Garden into not just a visual marvel, but a complete sensory experience that will continue to captivate audience for years to come. The innovative installations and careful execution of the entire show depicted the team's resilience and commitment towards large venue visitor attraction projects.