

KARNATAKA CHITRAKALA PARISHATH

Kumara Krupa Road, Bangalore 560001

ONLINE CHITRASANTHE EVENT – January 2023

PREAMBLE

Karnataka Chitrakala Parishath has been organizing CHITRASANTHE event every year for the past 19 years. This event is typically a physical event wherein more than 1500 artists from all over the country participate in this event and display their artworks in Kumara Krupa road. Several lakhs of art lovers visit this event.

It is proposed to conduct an online CHITRASANTHE event along with physical CHITRASANTHE event on Sunday, 8th January 2023.

STATEMENT OF WORK

The following are the indicative services required in support of this IT project:

Task: Design, Development, Integration, Testing, Concurrent user load testing, Production Deployment (Hosting in a secure cloud server) and Maintenance support including back up and restoration.

Estimated time for completion of the project: 5 weeks

SYSTEM REQUIREMENTS SPECIFICATIONS

The proposed online CHITRASANTHE website is envisioned to provide and support the following functional and technical requirements:

INDICATIVE FUNCTIONAL REQUIREMENTS:

1. It shall be a dynamic, user responsive and scalable website providing a platform for displaying 15,000 (Fifteen thousand only) images of the art works created by 1500 Artists.
2. The proposed website shall provide 'Create, Edit, Replace and Delete' rights for the system Admin users of Chitrakala Parishath.
3. The proposed website shall validate and allow only authenticated human user to access the said website.
4. The proposed website shall provide only VIEW option for the visitors regarding the artwork images being displayed on the website.
5. The proposed website shall not allow downloading or copying of the artwork images being displayed on the website.
6. The proposed website shall provide one dedicated page for each participating artist, displaying Artist's photo, brief description about the Artist and maximum ten images of the artworks produced by the Artist.
7. The proposed website shall have a home page containing Chitrakala Parishath logo and other visual contents provided by Chitrakala Parishath.
8. The proposed website should provide search and filter facility based on any of the five parameters / criteria, which would be defined by Chitrakala Parishath.
9. Based on the selected search / filter criteria, the proposed system shall select and display all the art work images that have been categorized under the said criteria.

10. The proposed website shall provide second level of filtering feature as well for the displayed artwork images.
11. The proposed website shall provide a feature of displaying selected images as thumbnails with pagination, leading to individual expanded images and then to the individual Artist page based on navigation selected by the user.
12. The proposed website shall provide standard navigation features including but not restricted to 'Forward, Backward and Home'.
13. The proposed website shall provide an on-line form (to be designed by Chitrakala Parishath) to be filled by the participating artists as part of registration process.
14. The proposed website shall also support downloading of the said online application form by the interested user.
15. The proposed website shall support the feature of on-line application form filling and submission during the registration process, to be completed by the participating artists.
16. The proposed website shall provide a feature allowing the participating artist to upload self-photograph, bio data (not more than 200 words) and images of artworks, restricted to a maximum of ten artworks during the registration process.
17. The proposed website shall provide and support a secure and reliable payment gateway interface to enable the secure online payment of registration fee by the participating Artists during registration process.
18. The proposed website shall capture the online payment related details of every registered Artist and shall generate a relevant report for the use of the admin user of Chitrakala Parishath to enable account reconciliation.
19. The proposed website shall support the upload of the filled application form, Artist photo, Artist bio data and ten images of the artworks produced by the said Artist by the Admin users of Chitrakala Parishath in cases of

the applications and associated materials received in person or through e-mail from the participating Artists.

20. The proposed website shall provide a feature for the Chitrakala Parishath admin users to verify and certify the images of the artworks submitted / uploaded by the participating artists, as eligible for upload.
21. The proposed website shall support the feature of uploading the application, Artist photo, Artist bio data and images of the artworks produced by the Artist directly from the back end.
22. The vendor in consultation with Chitrakala Parishath, shall finalize and submit the template in which data comprising of Artist application, Artist photo, Artist bio data, images of the artworks produced by the Artist along with registration fee payment details is to be provided by Chitrakala Parishath for the purpose of uploading to the system.
23. The proposed website shall provide a facility for the viewer to contact the Artist, in case the visitor is interested to buy the artwork/s.
24. The proposed website shall capture details of the users, who contact the Artist through the said website and generate a relevant report.
25. The proposed website shall capture the relevant user data and provide the relevant analytical reports to Chitrakala Parishath.
26. The proposed website shall support user management system including creating and managing of Admin users, assigning different roles and authorizations.
27. The proposed website shall provide a feedback page wherein the visitor can record his/her feedback (not exceeding 100 words) with regard to the said website and its features.
28. The proposed website shall support 150,000 (One hundred and fifty thousand only) concurrent users at any point of time with proper load balancing and also without any degradation in the performance.

29. The vendor shall submit the relevant test reports before deploying the project in the production server.
30. The vendor shall provide maintenance support for the duration of **three months** from the date of going live.
31. The design of the proposed website shall be modular in structure allowing reusability in future projects.
32. The Intellectual Property Rights of all the items that get designed and developed in this assignment shall be exclusively owned by Karnataka Chitrakala Parishath.
33. The vendor shall provide a demonstration of the working prototype at the end of second week from the date of starting the project.

TECHNICAL SPECIFICATION (TECH STACK)

- **Website** – Responsive Website with CMS and SSL.
- **Front end** – HTML5, CSS3, JavaScript/ jQuery/ AngularJS, Bootstrap, REST API, JSON
- **Middle ware** – PHP 8, CodeIgniter 3
- **Database** – MySQL 8
- **CSS Framework** – Bootstrap 5
- **Hosting Cloud vendor** – AWS (Amazon – should include daily backup)
EC 2 Instance. X2 Large. 32 GB RAM. CORE 4.
Data store in S3 bucket.
- **Load testing tool**– JMeter /Akami/ Fiddler/ Taurus/ Locust
- **Server Backend Management**
- **To ensure upload and management of 15000 images of the Artworks**
- **Security Audit to be done.**
- **Payment gateway** – Ease buzz/ Paytm/ Nationalized Bank gateway
- **No. of Concurrent users** - 150,000.