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Central Institute of Educational Technology
NCERT, New Delhi

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Sub: Quotation for Accessibility Audit of e-Pathshala and DIKSHA Platform (Mobile and Web Portal)

EPathshala, a joint initiative of Ministry of Education, Govt. of India and National Council of Educational Research and Training (NCERT), has been developed for showcasing and disseminating all educational e-resources including textbooks, audio, video, periodicals, It provides access to digital textbooks for all classes, graded learning materials and enables participation in exhibitions, contests, festivals, workshops, etc. Students, Teachers, Educators and Parents can access e Textbooks through multiple technology platforms that are mobile phones and tablets (as epub) and from the web through laptops and desktops (as Flipbook).

DIKSHA is the popular learning platform of NCERT with the theme "One nation, One digital platform". DIKSHA is developed for school education, foundational learning programs and supports inclusive learning for underserved and differently-abled communities of learners and teachers.

With a view to realize the goals of Digital India, the NCERT aims to make e-Pathshala & DIKSHA fully accessible to all, irrespective of their abilities and disabilities.

All the organization who works in making websites and Mobile Apps accessible to user with special needs are invited to an estimate for performing the accessibility audits of e- Pathshala (Website and Mobile Application) & DIKSHA (Website and Mobile Application). The selected agency will be required to carry out a detailed accessibility audit and resolve the issues in consultation with the technical team working with e-Pathshala and DIKSHA.

Please send your estimate through post/courier at **Office of Head, Department of ICT and Training, Room no. 243, 2nd floor, Chacha Nehru Bhawan, CIET Building, NCERT, Sri Aurobindo Marg, New Delhi-110016**, on or before 07 March, 2021 till 5:00PM. Please do not email your estimate.


(Head, DICT)

Mobile App Details for DIKSHA

- 1- URL: https://play.google.com/store/apps/details?id=in.gov.diksha.app&hl=en_IN&gl=US
- 2.- Application Details Along with Version: HTML5, Angular 8, Ionic 4, CSS3, Cordova 9
- 3.- Web Server (eg.- Nginx Server) Along with Version: Webserver - NGINX, Version - 1.15.8
- 4.- Database Server Details Along with Version:
 - Cassandra - 3.11.4
 - Neo4J - 3.3.0
 - Redis - 6.0.5
 - Postgres - 9.6
 - Influx - 1.6.1
 - Elastic Search - 6.2.3
 - SQLite for local storage
5. Hosting: Cloud Infra (Partner - Microsoft Azure)
- 6- SMS Integration Exists? (Y/N): Y (Partner : MSG91)
- 7- Email Integration Exists? (Y/N): Y (Partner : SendGrid)
- 8- Any Digital Signature Facility Available for Users.: No
- 9- Number of Login Modules (distinct login pages form where different users can login): 3
- 10- Numbers of Roles. (please provide us the login credentials for all roles): 1 – Public user
- 11-Number of Dynamic pages: approx. 45 pages
- 12- No of static pages: 0
- 13 - Interface languages supported: 12
- 14 - Test environment: (attached APK)

Website Details for DIKSHA

- 1- URL: <https://diksha.gov.in/>
- 2.- Application Details Along with Version: HTML5, Angular 8, Jekyll 3.8.3
- 3.- Web Server (eg.- Nginx Server) Along with Version: Webserver - NGINX, Version - 1.15.8
- 4.- Database Server Details Along with Version:
 - Cassandra - 3.11.4
 - Neo4J - 3.3.0
 - Redis - 6.0.5
 - Postgres - 9.6
 - Influx - 1.6.1
 - Elastic Search - 6.2.3
5. Hosting : Cloud Infra (Partner - Microsoft Azure)
- 6- SMS Integration Exists?(Y/N): Y (Partner : MSG91)
- 7- Email Integration Exists?(Y/N): Y (Partner : SendGrid)
- 8- Any Digital Signature Facility Available for Users.: No
- 9- Number of Login Modules (distinct login pages form where different users can login): 3
- 10- Numbers of Roles. (please provide us the login credentials for all roles): 1 (Public)
- 11-Number of Dynamic pages: approx. 45 consumption pages
- 12- No of static pages: 6
- 13 - Interface languages supported: 12
- 14 - Test environment: <https://preprod.ntp.net.in/>

Details about Epathshala Mobile App

Following are the details required for Accessibility Audit of E-Pathshala App

1- URL: iOS App url - <https://apps.apple.com/in/app/epathshala/id1056118674>

Android App url -

https://play.google.com/store/apps/details?id=in.gov.epathshala&hl=en_IN&gl=US

2.- Application Details Along with Version:

Students, Teachers, Educators and Parents can access eBooks through multiple technology platform that is mobile phones and tablets (as epub) and from the web portal through laptops and desktops (as Flipbook). ePathshala also allows users to carry as many books as their device supports. Features of these books allow users to pinch, select, zoom, bookmark, highlight, navigate, share, listen to text using text to speech (TTS) apps and make notes digitally.

Android App latest version - 2.0.9

iOS App version latest Version - 2.3

Android Development Language: Java

iOS Development Language: Objective-C

Development Tools:

Android: Android Studio- 4.0

iOS: xCode- 11.3.1

3.- Web Server Along with Version: Web server with version Apache/2.4.6

4.- Database Server Details Along with Version: mysql 5.6.47

5. Hosting: Digital Ocean

6- SMS Integration Exists?(Y/N): N

7- Email Integration Exists?(Y/N): N

8- Any Digital Signature Facility Available for Users.: NA

9- Number of Login Modules (distinct login pages form where different users can login): No Login.

10- Numbers of Roles. (please provide us the login credentials for all roles): Application users roles are Students, Teachers, Educators and Parents

- 11-Number of Dynamic pages: 9 (eLibrary,My Collection, Website page,Edit Profile,Help/FAQ,Licence,Feedback,My Collection Book details screen(downloaded Chapters list), Book reader screen)
- 12- No of Input Fields: 8 (Registration page - Audience,Name, school, type(ncert/others), state, publisher, class, language)
- 13- No of static pages: 2(Settings and Change Application Language Selection)
14. Interface languages supported: Application languages are English, Hindi and Urdu
15. Test environment: In Local Infrastructure

Website Details for Epathshala Portal

Following are the details for Accessibility Audit of website

- 1- Staging URL: epathwg.ncert.org.in
- 2.- Web Application Details (Development Environment (eg...NET/Java/Php/wordpress etc.)) Along with Version: PHP/5.6
- 3.- Web Server (eg.- IIS, Apache etc.) Along with Version: Apache/2.4.25
- 4.- Database Server Details Along with Version: MySQL 5.6.35-cll-lve – MySQL Community Server (GPL)
5. Hosting : NIC Cloud
- 6- SMS Integration Exists?(Y/N): N
- 7- Email Integration Exists?(Y/N): N
- 8- Any Digital Signature Facility Available for Users.:N
- 9- Number of Login Modules (distinct login pages form where different users can login): 1
- 10- Numbers of Roles. (please provide us the login credentials for all roles):1
- 11-Number of Dynamic pages: approx 45
- 12- No of Input Fields: 72
- 13- No of static pages: 6