Web portal for Director of College Education

DEV
IT Simplified...

Directorate of College Education (DCE)

Govt. of Rajasthan, India

Solution Category:
e-Governance

Industry Sector:
Public Sector

Profile

The Department of College Education was set up in 1958 for the administration and development of College education in the Rajasthan State. There are 146 Government Colleges, 1357 unaided Private Colleges and 788 Bed colleges under its Control. The Department is working under the control and administration of the Director of College Education, Rajasthan, Jaipur.

- The department plays an important role in bringing about the quantitative and qualitative improvement in the higher education in the State

- Important Activities of the Department
- Management of existing Government Colleges
- Opening new colleges in public sector
- Issuing permanent and temporary NOC to private colleges
- Distribution of scholarship to students
- Ensuring quality of Higher Education in the State

Need

Management and monitoring of Government Colleges is a mammoth task. Further to this budget distribution and control of expenditure in colleges, placement of staff, academic control, policy implementation, student scholarship, daily communication with colleges, reports and statistical information gathering at state level, issuing NOC to all private colleges, relevant investigations are most challenging work to be carried out regularly.

A platform required to automatize above activities and which can be bridge between Directorate of College Education, Colleges and Students to interact and exchange information. It should serve as a single point of information and reporting from various sources.

We were assigned to provide a dynamic web portal including designing of micro websites of all the colleges including development web based applications and

DYNAMIC WEB PORTAL WITH WEB BASED APPLICATIONS

Software/Platform:
- Microsoft

Development Tools:
- .NET

generating various required MIS reports. Please see the major highlights of scope as under:

Portal:
- CMS (Content Management System)
- WCAG, W3c and GIGW (Government of India Guidelines for Website) compliance as per RISL instructions
- Comply to all browsers
- Capcha system and RSS
- Search engine enabled
- Control Panel for Content Management System (upload/ add/ edit/ delete content)
- User based rights (DEC Admin, College Admin)
- Aesthetic design
- Specific features like intelligent search, content retrieval and DBMS activity at backend
- Template based web pages of colleges (micro websites)

Web based application:
- Online Admission at college level (This includes complete admission process)
- Online NOC/PNOC form for colleges to apply and know status of application
- College Information System (Bench mark statistical data required by DCE)
- Online application form for scholarship
- Interface: DCE Admin, College, Student and User/Citizen
- Dashboard with required MIS reports

Others:
- To provide technical man power for onsite development, if required
- Portal maintenance for one year
- To provide hands on training
- To develop required modules and integrate with the system

Challenge

- Design portal architecture which connect to the mass and dynamically exchange information in short period

DYNAMIC WEB PORTAL WITH WEB BASED APPLICATIONS

- Development and customization of modules as per requirement of DCE
- Business process re-engineering
- Support and training to remote level stakeholders
- Designing different dashboard for various stakeholders at different level
- Managing the huge database
- Connectivity at de-centralized level

Solution

We discussed in detail with the team of DCE and outlined development plan.
As envisaged and directed by Directorate of College Education, we have developed website with web based modules having following features:

- The purpose of this portal to be a bridge between Directorate of College Education office and various stakeholders to interact, exchange and disseminate information
- Portal should serve the information, tracking and reporting needs (MIS) at various levels in the College Education hierarchy in the state
- The portal as an integrated system which connects the Students, Colleges and DCE
- It should serve as a single point of information and reporting from various sources
- Possibility of publishing "Learning Content" through the portal
- Directorate office will have its portal where template based pages and information of colleges will reside for various stakeholders and citizens
- Compliance to WCAG, W3c and GIGW (Government of India Guidelines for Website) compliance as per RISL instructions
- Online Admission at college level
- Online NOC/PNOC form for colleges to apply
- College Information System (Bench mark statistical data required by DCE)
- Online application form for scholarship
- Intranet and document repository
- Dashboard with required MIS reports

DYNAMIC WEB PORTAL WITH WEB BASED APPLICATIONS

For more details:

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Benefits

- Online connectivity established between stakeholders
- Transparency and speed in the process of decision making
- College Information System (Bench mark statistical data required by DCE) - Most and frequently required statistical data available on finger tips
- Online Admission – A complete process at college level
- Online NOC/PNOC form for colleges to apply
- Online application form for scholarship
- Intranet and document repository helps to officers on the fly
- We were successful technology partner to DCE for implementation of
- ambitious platform
- Each module is mapped with the activity which generate required MIS reports
- Centralized document repository
- DCE became case study for other states of India