Proposal for developing Content management System (CMS) based RTU website.

**Content management System (CMS)**

A content management system (CMS) is a software application or set of related programs that are used to create and manage digital content. CMS is typically used for  web content management (WCM). A WCM facilitates collaborative authoring for websites.

Web content management (WCM) systems have two components: a content management application (CMA) and a content delivery application (CDA). The CMA is a graphical user interface (GUI) that allows the user to control the design, creation, modification and removal of content from a website without needing to know anything about HTML or other coding language.  The CDA component provides the back-end services that support management and delivery of the content once it has been created in the CMA.

**Features of CMS**

Features can vary amongst the various CMS offerings, but the core functions are often considered to be indexing, search and retrieval, format management, revision control and publishing.

* Intuitive indexing, search and retrieval features index all data for easy access through search functions and allow users to search by attributes such as publication dates, keywords or author.
* Format management facilitates turn scanned paper documents and legacy electronic documents into HTML or PDF documents.
* Revision features allow content to be updated and edited after initial publication. Revision control also tracks any changes made to files by individuals.
* Publishing functionality allows individuals to use a template or a set of templates approved by the organization, as well as [wizards](https://searchwindowsserver.techtarget.com/definition/wizard) and other tools to create or modify content.

CMS for RTU website.

RTU website is having following sections where new contents are regularly uploaded or old contents are replaced with new contents.

* Academic Calendar
* List of Affiliated Colleges
* RTU Syllabus
* Coursed offered
* Equivalence of Back Papers
* Board of Studies
* Examination timetables
* Examination Centers
* Examination notices
* Examination orders and regulations
* Examination results
* Marksheet/Certificates section in Examinations
* Various pages related to
  + Chancellor
  + Vice Chancellor
  + Registrar
  + Finance Officer
  + Dean Academics
  + Controller of Examinations
  + Dean Research
  + Sean Students welfare
  + VC secretariat
  + Estate
  + Various deans pages
* Admissions
* Purchase and Tender
* RTI act and rules
* PhD notifications
* PhD Section downloads
* PhD external funding
* PhD contacts
* Various admission related portals

CMS will provide GUI based content management system where website administrator will be able to do following tasks:

* Any static contents of web page can be edited by web administrator without knowledge of HTML and web programming.
* New notices/orders/notifications can be uploaded/replaced/deleted or moved to achieves. Even these uploaded contents can be made invisible/visible by web administrator. Visibility of any link on website can be controlled by setting start/end date and time so that link is visible only during said period only. New links can be set to be launched on a particular date and time to avoid last minute rush to post things on website.
* Web administrator control can be decentralized so that various sections of website can be controlled by different web administrator. For example, Academics section of website can be controlled by one web administrator, examination section can be controlled by another administrator. Web administrator need not be the web programmer. He/she will be using GUI based CMS to manage the contents of the website.
* A complete repository of all notices/orders/regulations/downloads etc. will be prepared by CMS and this database can be used to search/query past contents of website.

Home page will have following type of look, Colour combinations, fonts, content placements can be changes after discussion.



